LINEAR
INTEGRATED CIRCUIT
D.A.T.A.BOOK

MANY CATEGORIES INCLUDING

- OP-AMP
- DIFF AMP
- AUDIO AMP
- RF/IF AMP
- WIDEBAND AMP
- VOLTAGE REG
- VOLTAGE COMP
- AC-DC PWR SUPP
- FUNCTION GEN
- *PLUS MORE ....*

AUTUMN 1973

10th EDITION

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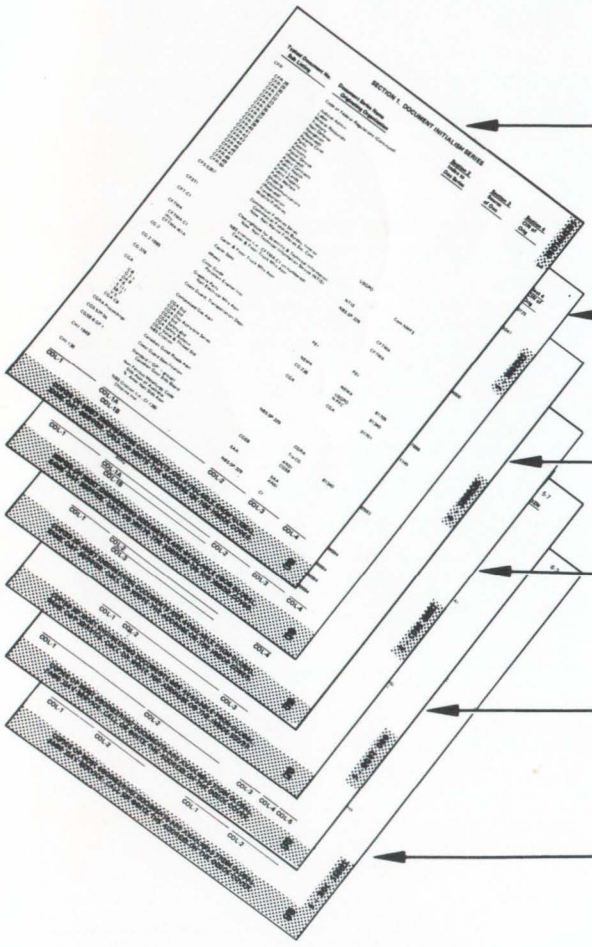

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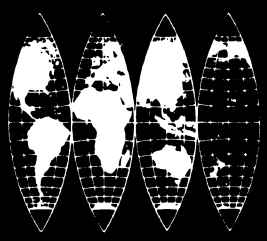

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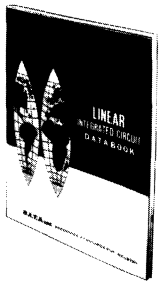
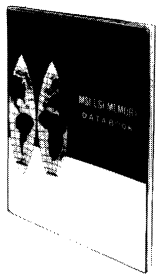
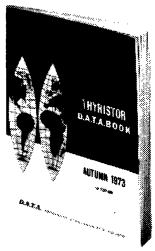


LN – LINEAR IC



SM – MSI-LSI MEMORY

TR – TRANSISTOR



TY – THYRISTOR

TYPE OF DEVICE	D.A.T.A.BOOK					
	DI	DG	LN	SM	TR	TY
Adders						
Analog			x			
Full		x				
Half		x				
AFC Circuits			x			
AM/FM Circuits			x			
Amplifiers						
AGC Circuits			x			
Audio			x			
Current			x			
Differential			x			
IF			x			
Logarithmic			x			
Logic		x				
Operational			x			
Reference			x			
RF			x			
Sense		x	x			
Squaring			x			
Wideband			x			
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Comparators						
Binary		x				
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Code				x		
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Polarity (Digital)		x				
Frequency			x			
Counters		x				
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Current Limiting	x					
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Microwave Switch	x					
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Freq. Mult. & Harmonic Gen.	x					
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Photo (diode)	x					
Radiation Detector	x					
Random/White Noise	x					
Rectifier	x					
Shottky Barrier	x					
Silicon Reference	x					
Solar Cell	x					
Special-Purpose	x					
Step Recovery	x					

TYPE OF DEVICE	D.A.T.A.BOOK					
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UHF Mixer	x					
Varactor	x					
Varistor	x					
Voltage-Variable Capacitor	x					
Voltage Transient Suppressor	x					
Zener	x					
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Drivers						
Clock		x				
Incandescent Lamp		x				
Line		x				
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Switch		x				
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P-Channel					x	
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Gates						
AND		x				
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OR		x				
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VCO Xtal			x			
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DC to DC			x			
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TYPE OF DEVICE	D.A.T.A.BOOK					
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Choppers					x	
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Composite					x	
Darlington					x	
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Low-Power					x	
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- Converters
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- Lead Sockets
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- Thermal Compounds
  - Conductive Adhesive
  - Joint
  - Potting

DISCONTINUED SERIES

TRANSISTOR

Lists All Devices Obsoleted From The TRANSISTOR D.A.T.A.BOOK

THYRISTOR

Lists All Thyristors (SCRs, TRIACs, DIACs, etc.) Obsoleted From The THYRISTOR D.A.T.A.BOOK

INTEGRATED CIRCUIT

Lists All Integrated Circuits Obsoleted From The LINEAR IC, DIGITAL IC And MSI-LSI MEMORY D.A.T.A.BOOKs.

APPLICATION NOTE D.A.T.A.BOOK

Lists Available Application Notes By Specific Analog And Digital Circuit Categories And Subcategories:
Analog: 26 Major Categories; 232 Subcategories
Digital: 10 Major Categories; 75 Subcategories

EDITORIAL POLICY & PROCEDURES

Purpose

This D.A.T.A.BOOK is designed to report comprehensively on what is presently being produced throughout the free world in the field of LINEAR IC devices. While a book such as this can not provide 100% of the information you might need, its primary aims are those of facilitating the selection of types suitable to your technical requirements, and of directing you to the sources of their manufacture.

Technical Data Acquisition

D.A.T.A. acquires and processes the information presented in this D.A.T.A.BOOK with the cooperation of the participating manufacturers who supply us with their latest technical information. Manufacturers are not charged for the listing of their products.

JEDEC Outlines

At the time this D.A.T.A.BOOK was prepared, there were no JEDEC type numbers; however, some of the devices have the JEDEC– designated DO–, MO– and TO– outlines which are included as applicable in the Outline Drawing Section.

Military Type Numbers

The electrical, mechanical and environmental information tabulated for the military types in the technical sections is derived directly from the applicable military specifications and standards. The source information, showing the particular manufacturers qualified for each type, is derived from the QPL (Qualified Parts List) associated with the governing specification, or from the manufacturers Qualification Test Letters.

Substitute Types And Compatibility

This D.A.T.A.BOOK can not truly claim to be an interchangeability chart; however, because of the sequencing arrangement of selected characteristics in the technical sections, types with the same or similar characteristics are grouped together. For purposes of replacement, this means of thorough, convenient technical comparison should prove superior to, and safer than, a mere listing of possible substitute type numbers.

Price And Availability

Because of the rapidly-changing and complex nature of this field, current price and delivery information should be obtained direct from the manufacturers. The list of manufacturers and the Local Offices Section in back of the book will assist you in this.

Manufacturers' Specifications

This book includes currently-manufactured devices with their major characteristics, drawings and manufacturers. Every effort is made to ensure the accuracy of the entries herein; however, the publisher can not be held responsible nor guarantee against the possibility of error or omission. Only the manufacturers or their authorized representatives can provide you with complete technical details and current prices.

HOW TO MAKE MAXIMUM USE OF THIS D.A.T.A.BOOK

To make maximum use of this D.A.T.A.BOOK, select the particular known-unknown situation below that defines your problem, and follow the instructions as indicated.

1	KNOWN: Electrical and Mechanical Requirements UNKNOWN: Suitable Type Numbers a. Turn to the Table of Contents (first page) and select the technical data section corresponding to the subject device type. b. Turn to any page in the selected section. Note the sequencing parameters (those characteristics for which the data is sequenced) indicated at the top corner of the page. c. Using the sequencing parameters, locate the type numbers that are in general agreement with your requirements. (Because of the sequencing arrangement, these types will appear together, in groups and sub-groups.) From among these, select the one or ones most suitable. d. To identify the manufacturer of the selected type number(s), follow the instructions in Block 2 below.
2	KNOWN: Type Number UNKNOWN: Manufacturer(s), Address, Local Offices a. Turn to Type No. Cross-Index (Section 2) and locate the subject type number. (Refer to 'HOW TYPE NUMBERS ARE SEQUENCED IN THE TYPE NUMBER CROSS-INDEX'.) b. Note the 3- or 4-letter manufacturer's code(s), e.g., TII, GESY, indicated for each of the subject types. c. Use the listing of 'MANUFACTURERS & THEIR CODES' in back of the book to identify the codes. (Note: Local offices for manufacturers shown in bold print on this listing are identified in a special section in back of the book.)
3.	KNOWN: Type Number UNKNOWN: Its Electrical Characteristics, And/Or Circuit and Outline Drawings a. Turn to Type No. Cross-Index and locate the subject type number. b. Note the page and line number, e.g., 70-104, alongside the type number. c. Locate the type number as noted, in the technical sections. (Note: Along with the electrical and performance characteristics listed for each type number are references to the circuit and outline drawings, located in Section 13 and Section 14, respectively.)
4	KNOWN: Type Number UNKNOWN: Equivalent Types for Replacement a. Follow the instructions in Block 3 above. b. Survey the type numbers surrounding the subject number to determine the suitable alternatives.
5	KNOWN: Military Requirements UNKNOWN: Suitable Type Number(s) a. Follow the instructions in Block 1, to determine the general type numbers that meet the military requirements. From among these, select the military types by means of the identifying prefix (M38510). b. To identify the manufacturers, follow the instructions in Block 6.
6	KNOWN: Military Type Number UNKNOWN: Qualified Manufacturers And/Or Applicable Military Specification a. Turn to Section 12 (TYPES WITH U. S. MILITARY SPECIFICATIONS), and locate the subject type number. (Type numbers are arranged in alpha-numeric order.) b. Note the manufacturer's code(s) and detail specification listed next to the type number. (The detail specification added to the general specification indicated in the column heading for the detail specification, makes up the complete military specification for the subject device.) c. Use the listing of MANUFACTURERS & THEIR CODES in back of the book to identify the manufacturer code(s).
7	KNOWN: Type Number Not Included In Book UNKNOWN: What Happened To It? a. Consult D.A.T.A.BOOK OF DISCONTINUED INTEGRATED CIRCUITS.

USE OF POWERS-OF-TEN MULTIPLIERS AND SYMBOLS & CODES IN THE TECHNICAL SECTIONS

To present a maximum amount of information in a minimum amount of space, use is made in this book of the following data modifiers:

POWERS-OF-TEN MULTIPLIERS

The powers-of-ten multipliers shown below are used in numeric columns when the value being entered is many times greater or smaller than the units of measure indicated in the column heading. Usually, the latter are the so-called 'basic' units; such as V (volts), A (amperes) and s (seconds). The multipliers and an explanation of their use are given below:

MULTIPLIERS

PREFIXES & SYMBOLS Indicating Powers of Ten — Recommended by International Committee on Weights and Measures Adopted by National Bureau of Standards

Power	Prefix	Symbol	Power	Prefix	Symbol	Power	Prefix	Symbol
10^{12}	tera	T	10	deka	da	10^{-9}	nano	n
10^{9}	giga	G	10^{-1}	deci	d	10^{-12}	pico	p
10^{6}	mega	M	10^{-2}	centi	c	10^{-15}	femto	f
10^{3}	kilo	k	10^{-3}	milli	m	10^{-18}	atto	a
10^{2}	hecto	h	10^{-6}	micro	μ			

EXPLANATION

Value of Data To Be Entered	Basic Unit In Column Heading	Actual Entry
3 milliamperes	A (amperes)	3.0m
9 megaohms	Ω (ohms)	9.0M
0.5 volt	V (volts)	500m *
10 amperes	A (amperes)	10

* May also be written as 0.5, with no multiplier

SYMBOLS & CODES

Symbols — Symbols such as #, △, and $ are used in all columns, numeric or otherwise, whenever the data entries differ in some way from the entity defined in the column heading. For instance, if a given heading specifies Max. Power (in Watts) and the numeric value being entered for a given type represents the minimum power instead, the variance is denoted by the appearance of a special symbol alongside the numeric entry.

NOTE: The symbols and codes used herein are explained on the cards in back of the book.

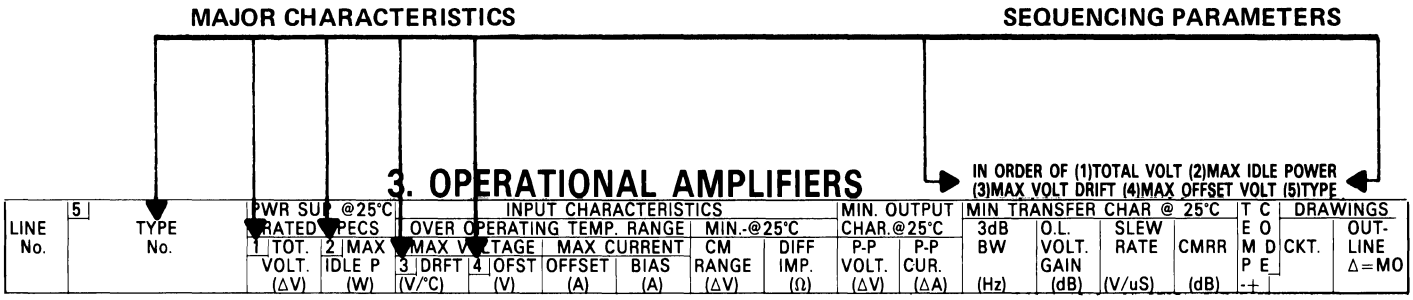
Codes — Codes are used in some columns as means to abbreviate the data being entered. The codes may be alphabetic (A,B,C, etc.) numeric (1,2,3, etc.) or some combination of both.

HOW TYPE NUMBERS ARE SEQUENCED IN THE TYPE NUMBER CROSS-INDEX

Sequencing of type numbers in the Type Number Cross-Index is governed by the following rules:	EXAMPLES
Rules: 1) Type numbers are listed in numeric-alphabetic sequence; i.e., type numbers beginning with a number (decimal, fraction, or whole) precede type numbers beginning with a letter.	13A01 143 1202 A147 AN127 B2000
2) Decimals and fractions precede whole numbers. An equivalent decimal precedes the fraction when the remainder of type number is identical.	25Z150 1/4Z150 3/4M12Z 1T3
3) Zeros are ignored in sequencing except when the zero is the only basis for distinguishing one type number from another. In this case the type number containing the zero is listed first.	0112 112 0113 00115 AP01 AP1 AP02
4) Number and/or letter groupings preceding hyphens or slashes are the controlling factors in sequencing. The hyphens and slashes themselves precede any identically positioned letters also having the same beginning number/letter groupings.	66-0706 66M1 70/10 70A9

HOW TYPE NOS. ARE ARRANGED IN THE TECHNICAL SECTIONS – SEQUENCING PARAMETERS

The arrangement of types in the technical sections is keyed to a set of special characteristics selected for their importance from among the general group of characteristics tabulated in each section. These selected characteristics, or sequencing parameters, differ from one section to another, and are identified at the top corner of each page, as shown in the sample below.



The different types within a section are first arranged in ascending numeric (or alphabetic) order of the first such parameter. Groups of types having a common value for the first parameter are then arranged in ascending order of the second parameter. This process continues for each parameter in turn, up to and including the last parameter which, in every instance, is the type number itself. The final arrangement, by type number, is done in accordance with the sequencing of type numbers in the cross-index, as explained on the preceding page.

A simplified model of the arrangement as described is shown below.

4 Type Number	Characteristics 1 A	2 B	C	3 D
A13	100		325	
A4	100		1000	20
A9	100	A	20	25
A10	100	A	200	25
A3	100	B	40	15
A1	100	C	80	10
A8	100	C	900	15
A7	100	D	35	30
A11	110	A	60	25
A2	120	A	300	15
A5	120	B	150	20
A6	120	B	200	20
A12	120	B	475	25
	Last Seq. Par.	1st Seq. Par.	2nd Seq. Par.	(Not Seq.)	3rd Seq. Par.

Note that the absence of an entry for any sequencing parameter is regarded as a zero, and precedes any actual entries in the sequencing.

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line
0-578A1	♦DAD	29-101
0-578A2	♦DAD	30- 1
0-578B1	♦DAD	30- 34
0-578B2	♦DAD	30- 51
0-578B3	♦DAD	30- 61
0-578C1	♦DAD	30- 64
0-578C2	♦DAD	30- 67
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1-578C2	♦DAD	30- 65
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1D84-850	♦MIA	72- 54
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1ET25D	ACO	68- 2
1ET50	ACO	68- 3
1NT100	ACO	68- 4
1NT175	ACO	68- 5
1S24-2100	♦MIA	72- 55
1S44-4100	♦MIA	72- 56
1S84-8100	♦MIA	72- 57
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3.6ET50	ACO	68- 23
3.6NT100	ACO	68- 24
3.6NT175	ACO	68- 25
3.6NT300	ACO	68- 26
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4NT100	ACO	68- 30
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♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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4097-25	♦BUB	66- 56	9810	OEI	65- 63	A4350	♦ITI	65- 97	AH56K	♦OPT	50- 56	AMU6A7741393		19- 73
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♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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LM340T18	♦NSC	56 - 45
LM340T24	♦NSC	59 - 24
LM370	LSI	45 - 62
	♦NSC	79 -104
LM370N	NSC	45 - 63
LM371△	LSI	49 - 4
LM371☑	♦NSC	49 - 3
LM372	♦NSC	45 - 16
		48 - 3
LM372N	NECJ	45 - 17
	NSC	48 - 4
LM373H	♦NSC	78 - 83
LM373N	♦NSC	78 - 84
LM374H	♦NSC	78 - 85
LM374N	♦NSC	78 - 86
LM376N	♦NSC	55 - 96
LM377	NSC	46 - 57
LM378	♦NSC	46 - 58
LM380	NSC	46 - 6
LM381	NSC	46 - 68
LM382	NSC	46 - 69
LM383	NSC	45 - 99
LM555CN	NSC	75 - 88
LM565CH	♦NSC	80 - 14
LM565CN	♦NSC	80 - 15
LM565H	♦NSC	80 - 16
LM566	NSC	75 - 89
LM567	NSC	75 - 90
LM703L	NSC	48 - 36
LM709A	NSC	34 - 54
LM709C	♦NSC	26 - 26
LM709CN	♦NSC	26 - 27
LM709H883	NECJ	25 - 89
	♦NSC	
LM709H	NSC	25 -109
LM710AH	NSC	61 - 80
LM710CH	NECJ	61 - 85
	♦NSC	
LM710CN	NECJ	61 - 82
LM711AH	NSC	61 -105
LM711CH	♦NSC	62 - 50
LM711CN	NECJ	62 - 56
LM723CH	NSC	56 - 95
LM723CN	NSC	56 - 96
LM723D	NSC	58 - 29
LM723H	NSC	56 - 97
LM725	NSC	22 -110
LM725C	NSC	24 - 95
LM741CH	NECJ	18 - 52
	♦NSC	
LM741CN	NECJ	18 - 53
	NSC	
LM741F	NSC	18 - 46
LM741H883	NECJ	18 - 47
	NSC	
LM741H	NECJ	18 - 48
	♦NSC	
LM746H	NSC	77 - 88
LM746N	NSC	77 - 89
LM747CD	♦NSC	18 - 15
LM747CH	♦NSC	18 - 16
LM747CN	♦NSC	18 - 17
LM747D883	NSC	17 -100
LM747D	♦NSC	17 -101
LM747F	NSC	17 -102
LM747H883	NSC	17 -103
LM747H	♦NSC	17 -104
LM748CH	NECJ	18 - 61
	♦NSC	
LM748CN	NSC	18 - 62
LM748H	NECJ	18 - 63
	♦NSC	
LM1303N	NSC	46 - 25
LM1304N01	♦NSC	79 - 42
LM1304N	♦NSC	79 - 43
LM1305N01	♦NSC	79 - 44
LM1305N	♦NSC	79 - 45
LM1307EN01	♦NSC	79 - 46
LM1307EN	♦NSC	79 - 47
LM1307N01	♦NSC	79 - 48
LM1307N	♦NSC	79 - 49
LM1310EN01	NSC	79 - 50
LM1310EN	NSC	79 - 51
LM1310N01	NSC	79 - 52
LM1310N	NSC	79 - 53
LM1351N	♦NSC	77 - 30
LM1414J	♦NSC	62 - 83
LM1414N	♦NSC	62 - 84
LM1458H	♦NSC	26 - 45
LM1458N	♦NSC	26 - 46
LM1496H	♦NSC	79 - 54
LM1496N	♦NSC	79 - 55
LM1514J	♦NSC	62 - 72
LM1558-883	NSC	24 - 66
LM1558H	♦NSC	24 - 67
LM1596H	♦NSC	79 - 56
LM1800	NSC	79 - 57
LM1805	NSC	77 - 31
LM1845	NSC	77 - 32
LM2111	NSC	75 - 91
LM2113	NSC	75 - 92
LM3018H	NSC	74 - 86
LM3019H	NSC	76 - 32
LM3026H	NSC	43 - 51
LM3028AH	NSC	43 - 78
LM3028BH	NSC	43 - 71
LM3039H	NSC	76 - 33
LM3045D	NSC	74 - 87
LM3046N	NSC	74 - 88
LM3053H	NSC	43 - 70
LM3054N	NSC	43 - 55
LM3064	NSC	77 - 33

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LM3065N	NSC	78- 87
LM3066NO1	NSC	77- 90
LM3067NO1	NSC	77- 91
LM3070N	♦NSC	77- 92
LM3071N	♦NSC	77- 93
LM3072N	NSC	77- 94
LM3075NO1	NSC	78- 88
LM3086N	NSC	74- 89
LM3900N	♦NSC	43- 42
LM4250CH	♦NSC	17- 8
LM4250CN	♦NSC	17- 9
LM4250H	♦NSC	17- 7
LMR3	♦LED	59- 48
LS170	♦LSI	79-105
LS171	♦LSI	48-104
LS270	♦LSI	79-106
LS271	♦LSI	48-105
LS370	♦LSI	79-107
LS371	♦LSI	49- 5
LS510NA	♦LSI	48- 61
LS510SA	♦LSI	48- 62
LS703L	♦LSI	48-101
LS1495	LSI	66- 82
LS1496#1	♦LSI	79- 58
LS1496#2	♦LSI	79- 59
LS1595	LSI	66- 83
LS1596#1	♦LSI	79- 60
LS1596#2	♦LSI	79- 61
LS3028A	♦LSI	49- 11
LS3028B	♦LSI	48-109
LS3053	♦LSI	48-103
LTA709	♦APX	25-110
LTA709C	♦APX	27-103
LTA741	♦APX	18-108
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monoCMP01CP	♦PMI	64- 37
monoCMP01EJ	PMI	64- 26
monoCMP01EY	PMI	64- 27
monoCMP01J	PMI	64- 28
monoCMP01L	PMI	64- 29
monoCMP01Y	PMI	64- 30
monoCMP02CJ	PMI	64- 38
monoCMP02CY	PMI	64- 39
monoCMP02EJ	PMI	64- 21
monoCMP02EY	PMI	64- 22
monoCMP02J	PMI	64- 23
monoCMP02L	PMI	64- 24
monoCMP02Y	PMI	64- 25
monoOP01CJ	♦PMI	21- 76
monoOP01CY	♦PMI	21- 77
monoOP01EJ	♦PMI	21- 66
monoOP01EY	♦PMI	21- 67
monoOP01FJ	♦PMI	21- 68
monoOP01FL	♦PMI	21- 69
monoOP01FY	♦PMI	21- 70
monoOP01GJ	♦PMI	21- 78
monoOP01GL	♦PMI	21- 79
monoOP01GY	♦PMI	21- 80
monoOP01HJ	♦PMI	18- 5
monoOP01HY	♦PMI	18- 6
monoOP01J	♦PMI	18- 7
monoOP01L	♦PMI	18- 8
monoOP01Y	♦PMI	18- 9
monoOP05AJ	♦PMI	23- 75
monoOP05AL	♦PMI	23- 76
monoOP05AY	♦PMI	23- 77
monoOP05CJ	♦PMI	24- 88
monoOP05CY	♦PMI	24- 89
monoOP05EJ	♦PMI	23- 79
monoOP05EY	♦PMI	23- 80
monoOP05J	♦PMI	23- 89
monoOP05L	♦PMI	23- 90
monoOP05Y	♦PMI	23- 91
monoOP08AJ	♦PMI	23-108
monoOP08AL	PMI	23-109
monoOP08AP	PMI	23-110
monoOP08BJ	♦PMI	24- 17
monoOP08BL	PMI	24- 18
monoOP08BP	PMI	24- 19
monoOP08CJ	♦PMI	25- 36
monoOP08CP	PMI	25- 37
monoOP08EJ	♦PMI	23-106
monoOP08EP	PMI	23-107
monoOP08J	♦PMI	24- 7
monoOP08L	PMI	24- 8
monoOP08P	PMI	24- 9
monoOP10AY	♦PMI	23- 92
monoOP10CY	♦PMI	24- 90
monoOP10EY	♦PMI	23- 88
monoOP10Y	♦PMI	23- 93
M50-15	♦HBC	70- 35
M100-15	♦HBC	70- 36
M500-5	♦HBC	70- 37
M501A	♦ANA	31- 8
M501B	♦ANA	30-105
M501C	♦ANA	30-106
M501D	♦ANA	31- 9
M530J	♦INT	66-107
M530K	♦INT	66-108
M530L	♦INT	66-109
M530S	♦INT	66-110
M5015	HBC	70- 38
M5015OS	HBC	70- 39
M5101P	MITJ	45- 28
M5106P	MITJ	45- 44
		74- 90
M5108P	MITJ	77- 95
M5109P	MITJ	74- 91
M5111AP	MITJ	45- 73
M5112Y	MITJ	45- 74
M5115P	MITJ	45- 48
M5133P	MITJ	16- 45

TYPE No.	MFRS	Pg&Line
M5134P	MITJ	50- 45
		77- 34
M5135P	MITJ	77- 35
M5141T	MITJ	17- 99
M5143P	MITJ	77- 36
M5170T	MITJ	75- 93
M5180P	MITJ	77- 96
M5182P	MITJ	77- 97
M5183P	MITJ	77- 37
M5188K	MITJ	77- 38
M5190P	MITJ	77- 98
M5191P	MITJ	77- 99
M5199AY	MITJ	56- 17
M5199T	MITJ	56- 10
M10015	HBC	70- 40
M10015OS	HBC	70- 41
JANM38510/10101AAA	none	38- 85
JANM38510/10101AAB	none	38- 86
JANM38510/10101AAC	none	38- 87
JANM38510/10101AAD	none	38- 88
JANM38510/10101ABA	none	38- 89
JANM38510/10101ABB	none	38- 90
JANM38510/10101ABC	none	38- 91
JANM38510/10101ABD	none	38- 92
JANM38510/10101ACA	none	38- 93
JANM38510/10101ACB	none	38- 94
JANM38510/10101ACC	none	38- 95
JANM38510/10101ACD	none	38- 96
JANM38510/10101ADA	none	38- 97
JANM38510/10101ADB	none	39- 1
JANM38510/10101ADC	none	39- 2
JANM38510/10101ADD	none	39- 3
JANM38510/10101AGA	none	39- 4
JANM38510/10101AGB	none	39- 5
JANM38510/10101AGC	none	39- 6
JANM38510/10101AGD	none	39- 7
JANM38510/10101AHA	none	39- 8
JANM38510/10101AHB	none	39- 9
JANM38510/10101AHC	none	39- 10
JANM38510/10101AHD	none	39- 11
JANM38510/10101BAA	none	39- 12
JANM38510/10101BAB	none	39- 13
JANM38510/10101BAC	none	39- 14
JANM38510/10101BAD	none	39- 15
JANM38510/10101BBA	none	39- 16
JANM38510/10101BBB	none	39- 17
JANM38510/10101BBC	none	39- 18
JANM38510/10101BBD	none	39- 19
JANM38510/10101BCA	none	39- 20
JANM38510/10101BCB	FSC	39- 21
JANM38510/10101BCC	none	39- 22
JANM38510/10101BCD	none	39- 23
JANM38510/10101BDA	none	39- 24
JANM38510/10101BDB	none	39- 25
JANM38510/10101BDC	none	39- 26
JANM38510/10101BDD	none	39- 27
JANM38510/10101BGA	NSC	39- 28
JANM38510/10101BGB	none	39- 29
JANM38510/10101BGC	FSC NSC	39- 30
JANM38510/10101BGD	none	39- 31
JANM38510/10101BHA	FSC NSC	39- 32
JANM38510/10101BHB	none	39- 33
JANM38510/10101BHC	FSC NSC	39- 34
JANM38510/10101BHD	none	39- 35
JANM38510/10101CAA	none	39- 36

TYPE No.	MFRS	Pg&Line
JANM38510/10101CAB	none	39- 37
JANM38510/10101CAC	none	39- 38
JANM38510/10101CAD	none	39- 39
JANM38510/10101CBA	none	39- 40
JANM38510/10101CBB	none	39- 41
JANM38510/10101CBC	none	39- 42
JANM38510/10101CBD	none	39- 43
JANM38510/10101CCA	none	39- 44
JANM38510/10101CCB	FSC	39- 45
JANM38510/10101CCC	none	39- 46
JANM38510/10101CCD	none	39- 47
JANM38510/10101CDA	none	39- 48
JANM38510/10101CDB	none	39- 49
JANM38510/10101CDC	none	39- 50
JANM38510/10101CDD	none	39- 51
JANM38510/10101CGA	NSC	39- 52
JANM38510/10101CGB	none	39- 53
JANM38510/10101CGC	FSC NSC	39- 54
JANM38510/10101CGD	none	39- 55
JANM38510/10101CHA	FSC NSC	40- 1
JANM38510/10101CHB	none	40- 2
JANM38510/10101CHC	FSC NSC	40- 3
JANM38510/10101CHD	none	40- 4
JANM38510/10102AAA	none	40- 5
JANM38510/10102AAB	none	40- 6
JANM38510/10102AAC	none	40- 7
JANM38510/10102AAD	none	40- 8
JANM38510/10102ABA	none	40- 9
JANM38510/10102ABB	none	40- 10
JANM38510/10102ABC	none	40- 11
JANM38510/10102ABD	none	40- 12
JANM38510/10102ACA	none	40- 13
JANM38510/10102ACB	none	40- 14
JANM38510/10102ACC	none	40- 15
JANM38510/10102ACD	none	40- 16
JANM38510/10102ADA	none	40- 17
JANM38510/10102ADB	none	40- 18
JANM38510/10102ADC	none	40- 19
JANM38510/10102ADD	none	40- 20
JANM38510/10102AIA	none	40- 21
JANM38510/10102AIB	none	40- 22
JANM38510/10102AIC	none	40- 23
JANM38510/10102AID	none	40- 24
JANM38510/10102BAA	none	40- 25
JANM38510/10102BAB	none	40- 26
JANM38510/10102BAC	none	40- 27
JANM38510/10102BAD	none	40- 28
JANM38510/10102BBA	none	40- 29
JANM38510/10102BBB	none	40- 30
JANM38510/10102BBC	none	40- 31
JANM38510/10102BBD	none	40- 32
JANM38510/10102BCA	none	40- 33
JANM38510/10102BCB	FSC	40- 34
JANM38510/10102BCC	none	40- 35
JANM38510/10102BCD	none	40- 36
JANM38510/10102BDA	none	40- 37
JANM38510/10102BDB	none	40- 38

TYPE No.	MFRS	Pg&Line
JANM38510/10102BDC	none	40- 39
JANM38510/10102BDD	none	40- 40
JANM38510/10102BIA	none	40- 41
JANM38510/10102BIB	none	40- 42
JANM38510/10102BIC	FSC	40- 43
JANM38510/10102BID	none	40- 44
JANM38510/10102CAA	none	40- 45
JANM38510/10102CAB	none	40- 46
JANM38510/10102CAC	none	40- 47
JANM38510/10102CAD	none	40- 48
JANM38510/10102CBA	none	40- 49
JANM38510/10102CBB	none	40- 50
JANM38510/10102CBC	none	40- 51
JANM38510/10102CBD	none	40- 52
JANM38510/10102CCA	none	40- 53
JANM38510/10102CCB	FSC	40- 54
JANM38510/10102CCC	none	40- 55
JANM38510/10102CCD	none	41- 1
JANM38510/10102CDA	none	41- 2
JANM38510/10102CDB	none	41- 3
JANM38510/10102CDC	none	41- 4
JANM38510/10102CDD	none	41- 5
JANM38510/10102CIA	none	41- 6
JANM38510/10102CIB	none	41- 7
JANM38510/10102CIC	FSC	41- 8
JANM38510/10102CID	none	41- 9
JANM38510/10103ACA	none	37- 32
JANM38510/10103ACB	none	37- 33
JANM38510/10103ACC	none	37- 34
JANM38510/10103ACD	none	37- 35
JANM38510/10103AGA	none	37- 36
JANM38510/10103AGB	none	37- 37
JANM38510/10103AGC	none	37- 38
JANM38510/10103AGD	none	37- 39
JANM38510/10103AHA	none	37- 40
JANM38510/10103AHB	none	37- 41
JANM38510/10103AHC	none	37- 42
JANM38510/10103AHD	none	37- 43
JANM38510/10103BCA	none	37- 44
JANM38510/10103BCB	none	37- 45
JANM38510/10103BCC	none	37- 46
JANM38510/10103BCD	none	37- 47
JANM38510/10103BGA	none	37- 48
JANM38510/10103BGB	none	37- 49
JANM38510/10103BGC	none	37- 50
JANM38510/10103BGD	none	37- 51
JANM38510/10103BHA	none	37- 52
JANM38510/10103BHB	none	37- 53
JANM38510/10103BHC	none	37- 54
JANM38510/10103BHD	none	37- 55
JANM38510/10103CCA	none	37- 56
JANM38510/10103CCB	none	37- 57
JANM38510/10103CCC	none	37- 58
JANM38510/10103CCD	none	37- 59
JANM38510/10103CGA	none	37- 60
JANM38510/10103CGB	none	37- 61
JANM38510/10103CGC	none	37- 62

TYPE No.	MFRS	Pg&Line
JANM38510/10103CGD	none	37- 63
JANM38510/10103CHA	none	37- 64
JANM38510/10103CHB	none	37- 65
JANM38510/10103CHC	none	37- 66
JANM38510/10103CHD	none	37- 67
JANM38510/10104ACA	none	35- 87
JANM38510/10104ACB	none	35- 88
JANM38510/10104ACC	none	35- 89
JANM38510/10104ACD	none	35- 90
JANM38510/10104AGA	none	35- 91
JANM38510/10104AGB	none	35- 92
JANM38510/10104AGC	none	35- 93
JANM38510/10104AGD	none	35- 94
JANM38510/10104AHA	none	35- 95
JANM38510/10104AHB	none	35- 96
JANM38510/10104AHC	none	35- 97
JANM38510/10104AHD	none	35- 98
JANM38510/10104BCA	none	36- 1
JANM38510/10104BCB	none	36- 2
JANM38510/10104BCC	none	36- 3
JANM38510/10104BCD	none	36- 4
JANM38510/10104BGA	none	36- 5
JANM38510/10104BGB	none	36- 6
JANM38510/10104BGC	none	36- 7
JANM38510/10104BGD	none	36- 8
JANM38510/10104BHA	none	36- 9
JANM38510/10104BHB	none	36- 10
JANM38510/10104BHC	none	36- 11
JANM38510/10104BHD	none	36- 12
JANM38510/10104CCA	none	36- 13
JANM38510/10104CCB	none	36- 14
JANM38510/10104CCC	none	36- 15
JANM38510/10104CCD	none	36- 16
JANM38510/10104CGA	none	36- 17
JANM38510/10104CGB	none	36- 18
JANM38510/10104CGC	none	36- 19
JANM38510/10104CGD	none	36- 20
JANM38510/10104CHA	none	36- 21
JANM38510/10104CHB	none	36- 22
JANM38510/10104CHC	none	36- 23
JANM38510/10104CHD	none	36- 24
JANM38510/10201AAA	none	56- 98
JANM38510/10201AAB	none	56- 99
JANM38510/10201AAC	none	57- 1
JANM38510/10201ABA	none	57- 2
JANM38510/10201ABB	none	57- 3
JANM38510/10201ABC	none	57- 4
JANM38510/10201ACA	none	58- 13
JANM38510/10201ACB	none	58- 14
JANM38510/10201ACC	none	58- 15
JANM38510/10201ADA	none	57- 5
JANM38510/10201ADB	none	57- 6
JANM38510/10201ADC	none	57- 7
JANM38510/10201AHA	none	57- 8
JANM38510/10201AHB	none	57- 9
JANM38510/10201AHC	none	57- 10
JANM38510/10201AIA	none	56- 76

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JANM38510/10201AIB		
none		56 - 77
JANM38510/10201AIC		
none		56 - 78
JANM38510/10201BAA		
none		57 - 11
JANM38510/10201BAB		
none		57 - 12
JANM38510/10201BAC		
none		57 - 13
JANM38510/10201BBA		
none		57 - 14
JANM38510/10201BBB		
none		57 - 15
JANM38510/10201BBC		
none		57 - 16
JANM38510/10201BCA		
none		58 - 16
JANM38510/10201BCB		
FSC		58 - 17
JANM38510/10201BCC		
none		58 - 18
JANM38510/10201BDA		
none		57 - 17
JANM38510/10201BDB		
none		57 - 18
JANM38510/10201BDC		
none		57 - 19
JANM38510/10201BHA		
none		57 - 20
JANM38510/10201BHB		
none		57 - 21
JANM38510/10201BHC		
none		57 - 22
JANM38510/10201BIA		
none		56 - 79
JANM38510/10201BIB		
none		56 - 80
JANM38510/10201BIC		
FSC		56 - 81
JANM38510/10201CAA		
none		57 - 23
JANM38510/10201CAB		
none		57 - 24
JANM38510/10201CAC		
none		57 - 25
JANM38510/10201CBA		
none		57 - 26
JANM38510/10201CBB		
none		57 - 27
JANM38510/10201CBC		
none		57 - 28
JANM38510/10201CCA		
none		58 - 19
JANM38510/10201CCB		
FSC		58 - 20
JANM38510/10201CCC		
none		58 - 21
JANM38510/10201CDA		
none		57 - 29
JANM38510/10201CDB		
none		57 - 30
JANM38510/10201CDC		
none		57 - 31
JANM38510/10201CHA		
none		57 - 32
JANM38510/10201CHB		
none		57 - 33
JANM38510/10201CHC		
none		57 - 34
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PVS10CA-A	♦CODI	53 - 63	RC725T	RTN	25 - 11	RM4531T	♦RTN	28 - 47	SE15D50E	NPP	71 - 99	SFC2315DC	THCF	16 - 83
PVS10CC	♦CODI	53 - 64	RC733D	RTN	51 - 7	RM4558DN	♦RTN	26 - 55	SE15D100	♦NPP	71 -100	SFC2318C	THCF	31 - 27
PVS10CC-A	♦CODI	53 - 65	RC733DP	RTN	51 - 8	RM4558T	♦RTN	26 - 56	SE15D100E	♦NPP	71 -101	SFC2376DC	THCF	55 - 97
PVS10G	♦CODI	53 - 66	RC733Q	RTN	51 - 9	RM8311G	♦RTN	45 - 7	SE15D200	♦NPP	71 -102	SFC2458C	THCF	30 - 18
		76 - 92	RC733T	RTN	51 - 16	RM8312G	♦RTN	45 - 8	SE15D200E	♦NPP	71 -103	SFC2458DC	THCF	30 - 19
PVS10GA	♦CODI	53 - 67	RC741D	♦RTN	19 -103	RM8321G	♦RTN	45 - 5	SE15S200	NPP	71 -104	SFC2458M	THCF	25 - 35
		76 - 93	RC741DN	RTN	19 - 7	RM8322G	♦RTN	45 - 6	SE15S200E	NPP	71 -105	SFC2524EM	THCF	60 - 26
PVS10GA-A	♦CODI	53 - 68	RC741DP	RTN	19 - 8	S041P	SIEG	78 - 99	SE18D50	NPP	71 -106	SFC2525EM	THCF	60 - 24
PVS10GC	♦CODI	53 - 69	RC741Q	♦RTN	19 -104	S042P	SIEG	79 -110	SE18D50E	NPP	71 -107	SFC2709A	THCF	18 - 22
PVS10GC-A	♦CODI	53 - 70	RC741T	♦RTN	19 -105	S51A1A	♦SIC	38 - 34	SE18D100	NPP	71 -108	SFC2709AE	THCF	18 - 23
PVS10HA	♦CODI	53 - 71	RC747D	RTN	26 - 52	S51A1T	♦SIC	38 - 35	SE18D100E	NPP	71 -109	SFC2709AP	THCF	23 - 35
PVS10HA-A	♦CODI	53 - 72	RC747DP	RTN	26 - 53	S51A1V	♦SIC	38 - 36	SE18S100	NPP	71 -110	SFC2709C	THCF	18 - 42
PVS10HB	♦CODI	53 - 73	RC747T	RTN	26 - 54	S100	SSE	67 - 10	SE18S100E	NPP	72 - 1	SFC2709EC	THCF	27 - 82
PVS10HC	♦CODI	53 - 74	RC748D	RTN	19 -106	S200	SSE	67 - 11	SE20S100	NPP	72 - 2	SFC2709EM	THCF	25 -100
PVS10HC-A	♦CODI	53 - 75	RC748DN	RTN	19 -107	S1001	♦BTRG	53 - 15	SE20S100E	NPP	72 - 3	SFC2709ET	THCF	27 - 86
PVS10HD	♦CODI	53 - 76	RC748DP	RTN	19 -108	S1002	♦BTRG	53 - 16	SE24D50	NPP	72 - 4	SFC2709M	THCF	18 - 43
PVS10JA	♦CODI	53 - 77	RC748Q	RTN	19 -109	S1003	♦BTRG	54 - 84	SE24D50E	NPP	72 - 5	SFC2709PC	THCF	27 - 83
PVS10JA-A	♦CODI	53 - 78	RC748T	RTN	19 -110	S1004	♦BTRG	54 - 85	SE24S100	NPP	72 - 6	SFC2709PM	THCF	25 -101
PVS10JB	♦CODI	53 - 79	RC1414D	RTN	63 - 1	S1005	♦BTRG	58 - 39	SE24S100E	NPP	72 - 7	SFC2709PT	THCF	27 - 87
PVS10JC	♦CODI	53 - 80	RC1414DP	RTN	63 - 2	S1006	♦BTRG	58 - 40	SE28S100	NPP	72 - 8	SFC2709T	THCF	27 - 88
PVS10JC-A	♦CODI	53 - 81	RC1437D	RTN	29 - 56	S1007	♦BTRG	53 - 17	SE28S100E	NPP	72 - 9	SFC2710C	THCF	60 - 32
PVS10KA	♦CODI	53 - 82	RC1437DP	RTN	29 - 57	S1008	♦BTRG	53 - 18	SE501A	SIC	50 - 12	SFC2710E	THCF	61 - 64
PVS10KA-A	♦CODI	53 - 83	RC1556D	♦RTN	18 - 12	S1009	♦BTRG	54 - 87	SE501G%	♦SIC	50 - 7	SFC2710EC	THCF	61 - 65
PVS10KB	♦CODI	53 - 84	RC1556DN	♦RTN	18 - 13	S1010	♦BTRG	54 - 88	SE501K%	♦SIC	50 - 8	SFC2710EM	THCF	61 - 15
PVS10KC	♦CODI	53 - 85	RC1556T	♦RTN	18 - 14	S1011	♦BTRG	58 - 41	SE510AΔ	LSI	48 - 64	SFC2710M	THCF	60 - 31
PVS10KC-A	♦CODI	53 - 86	RC4131D	♦RTN	17 - 95	S1012	♦BTRG	58 - 42	SE510A☑	♦SIC	48 - 67	SFC2710PC	THCF	61 - 66
PVS10KD	♦CODI	53 - 87	RC4131DN	RTN	17 - 73	S1013	♦BTRG	53 - 19	SE510A#1	SIC	48 - 41	SFC2710PM	THCF	61 - 16
PVS10MA	♦CODI	53 - 88	RC4131Q	♦RTN	17 - 96	S1014	♦BTRG	53 - 20	SE510A#2	SIC	48 - 47	SFC2711C	THCF	60 - 33
PVS10MA-A	♦CODI	53 - 89	RC4131T	♦RTN	17 - 97	S1015	♦BTRG	54 - 89	SE510J	♦SIC	48 - 68	SFC2711E	THCF	62 - 59
PVS10MB	♦CODI	53 - 90	RC4132D	RTN	16 -102	S1016	♦BTRG	54 - 90	SE510J#1	SIC	48 - 42	SFC2711EC	THCF	62 - 60
PVS10MC	♦CODI	53 - 91	RC4132DN	RTN	16 - 92	S1017	♦BTRG	58 - 43	SE510J#2	SIC	48 - 48	SFC2711EM	THCF	62 - 3
PVS10MC-A	♦CODI	53 - 92	RC4132Q	RTN	16 -103	S1018	♦BTRG	58 - 44	SE511B	♦SIC	43 - 26	SFC2711M	THCF	60 - 34
PVS10NA	♦CODI	53 - 93	RC4132T	RTN	16 -104	S1019	♦BTRG	59 - 63			48 - 43	SFC2711PC	THCF	62 - 61
PVS10NA-A	♦CODI	53 - 94	RC4136D	♦RTN	31 - 18	S1020	♦BTRG	59 - 64	SE511R	♦SIC	43 - 27	SFC2711PM	THCF	62 - 4
PVS10NB	♦CODI	53 - 95	RC4136DP	♦RTN	31 - 19	S1021	♦BTRG	53 - 21			48 - 44	SFC2723C	THCF	57 - 51
PVS10NC	♦CODI	53 - 96	RC4194D	RTN	55 - 36	S1022	♦BTRG	53 - 22	SE515A	SIC	43 - 4	SFC2723EC	THCF	58 - 9
PVS10NC-A	♦CODI	53 - 97	RC4194TK	RTN	55 - 39	S1023	♦BTRG	54 - 91	SE515G	SIC	43 - 5	SFC2723EM	THCF	58 - 10
PVS10ND	♦CODI	53 - 98	RC4195DN	♦RTN	55 - 12	S1024	♦BTRG	54 - 92	SE515K	SIC	43 - 6	SFC2723M	THCF	57 - 52
PVSN10B	♦CODI	53 - 99	RC4195T	♦RTN	55 - 18	S1025	♦BTRG	58 - 45	SE516G	SIC	26 - 72	SFC2741C	THCF	18 - 54
		76 - 94	RC4195TK	♦RTN	55 - 31	S1026	♦BTRG	58 - 46	SE516K	SIC	26 - 73	SFC2741DC	THCF	18 - 55
PVSN10BA	♦CODI	53 -100	RC4531D	♦RTN	31 - 20	S1027	♦BTRG	59 - 61	SE518A	SIC	60 - 6	SFC2741DT	THCF	20 - 4
PVSN10BA-A	♦CODI	53 -101	RC4531DN	♦RTN	31 - 21	S1028	♦BTRG	59 - 62	SE518G%	♦SIC	60 - 7	SFC2741EC	THCF	18 - 56
PVSN10BC	♦CODI	53 -102	RC4531T	♦RTN	31 - 22	S4101AT	SIC	38 - 37	SE518K%	♦SIC	60 - 8	SFC2741EM	THCF	18 - 49
PVSN10BC-A	♦CODI	53 -103	RC4558DN	♦RTN	26 - 61	S5101AG	SIC	38 - 38	SE526G	♦SIC	60 - 15	SFC2741M	THCF	18 - 50
PVSN10C	♦CODI	53 -104	RC4558T	♦RTN	26 - 62	S5101G	SIC	37 - 14	SE526K	♦SIC	60 - 16	SFC2741PC	THCF	20 - 5
		76 - 95	RC4709D	RTN	29 - 73	S5101T	♦SIC	37 - 15	SE531T	♦SIC	28 - 48	SFC2741PM	THCF	18 - 51
PVSN10CA	♦CODI	53 -105	RC4709DP	RTN	29 - 58	S5107G	SIC	38 - 39	SE533T	♦SIC	15 - 14	SFC2748C	THCF	18 - 57
PVSN10CA-A	♦CODI	53 -106	RC4739DP	RTN	46 - 66	S5107T	SIC	38 - 40	SE537T	♦SIC	36 - 37	SFC2748DC	THCF	18 - 58
PVSN10CC	♦CODI	53 -107	RE5S500	NPP	52 - 83	S5108G	SIC	35 - 42	SE540L	♦SIC	46 - 97	SFC2748M	THCF	18 - 59
PVSN10CC-A	♦CODI	53 -108	RE12D100	NPP	54 - 86	S5108T	SIC	35 - 43	SE550G	SIC	56 - 29	SFC2761C	♦THCF	25 - 13
PVSN10G	♦CODI	53 -109	RE15D100	NPP	55 - 75	S5109DA	SIC	52 - 27	SE550K	SIC	56 - 30	SFC2761DC	♦THCF	25 - 14
		76 - 96	RE24D100	NPP	59 - 20	S5109DB	SIC	52 - 28	SE550L	SIC	58 - 78	SFC2790M	THCF	45 - 38
PVSN10GA	♦CODI	53 -110	RM116T	RTN	36 - 33	S5556T	♦SIC	17 - 75	SE565K	♦SIC	80 - 22	SFC2805EC	THCF	52 - 35
PVSN10GA-A	♦CODI	54 - 1	RM702AQ	RTN	15 -105	S5558T	♦SIC	24 - 68	SE566T	♦SIC	66 - 99	SFC2805RC	THCF	52 - 36
PVSN10GC	♦CODI	54 - 2	RM702AT	RTN	15 -106	S5595F	♦SIC	66 - 93	SE567T	♦SIC	75 - 99	SFC2806EC	THCF	52 -103
PVSN10GC-A	♦CODI	54 - 3	RM702D	RTN	15 -101	S5596K	♦SIC	79 - 77	SE592G	SIC	50 -103	SFC2806RC	THCF	52 -104
PVSN10HA	♦CODI	54 - 4	RM709AD	RTN	21 - 94	S5596T	SIC	79 - 78	SE592K	SIC	50 -104	SFC2808EC	THCF	53 - 25
PVSN10HA-A	♦CODI	54 - 5	RM709AQ	RTN	21 - 95	S5709G	SIC	26 - 1	SE902	♦NPP	72 - 10	SFC2808RC	THCF	53 - 26
PVSN10HB	♦CODI	54 - 6	RM709AT	RTN	21 - 96	S5709T	SIC	26 - 2	SE902A	♦NPP	72 - 11	SFC2812EC	THCF	54 - 54
PVSN10HC	♦CODI	54 - 7	RM709D	RTN	24 - 21	S5710G	SIC	61 - 13	SE902E	♦NPP	72 - 12	SFC2812RC	THCF	54 - 55
PVSN10HC-A	♦CODI	54 - 8	RM709Q	RTN	24 - 22	S5710T	SIC	61 - 14	SE902I	♦NPP	72 - 13	SFC2815EC	THCF	55 - 34
PVSN10HD	♦CODI	54 - 9	RM709T	RTN	24 - 23	S5711K	SIC	62 - 24	SE903	♦NPP	72 - 14	SFC2815RC	THCF	55 - 35
PVSN10JA	♦CODI	54 - 10	RM710AD	♦RTN	60 - 45	S5723A	SIC	57 - 49	SE903A	♦NPP	72 - 15	SFC2818EC	THCF	56 - 39
PVSN10JA-A	♦CODI	54 - 11	RM710AQ	♦RTN	60 - 46	S5723K	SIC	58 - 28	SE903E	♦NPP	72 - 16	SFC2818RC	THCF	56 - 40
PVSN10JB	♦CODI	54 - 12	RM710AT	♦RTN	60 - 47	S5723L	SIC	57 - 50	SE904	♦NPP	72 - 17	SFC2824EC	THCF	59 - 5
PVSN10JC	♦CODI	54 - 13	RM710D	♦RTN	61 - 10	S5733A	♦SIC	50 -100	SE904A	♦NPP	72 - 18	SFC2824RC	THCF	59 - 6
PVSN10JC-A	♦CODI	54 - 14	RM710Q	♦RTN	61 - 11	S5733F	♦SIC	50 -101	SE904E	♦NPP	72 - 19	SFC2861C	♦THCF	16 - 21
PVSN10KA	♦CODI	54 - 15	RM710T	♦RTN	61 - 12	S5733G	SIC	51 - 6	SE904I	♦NPP	72 - 20	SFC2861DC	♦THCF	16 - 22
PVSN10KA-A	♦CODI	54 - 16	RM711AD	RTN	60 - 49	S5733K	♦SIC	50 -102	SE905	♦NPP	72 - 21	SFC2861DT	♦THCF	16 - 23
PVSN10KB	♦CODI	54 - 17	RM711AT	RTN	60 - 50	S5740T	SIC	25 - 85	SE905A	♦NPP	72 - 22	SFC2861M	♦THCF	16 - 24
PVSN10KC	♦CODI	54 - 18	RM711D	RTN	61 - 93	S5741A	SIC	19 - 12	SE905E	♦NPP	72 - 23	SFC2861PM	♦THCF	16 - 25
PVSN10KC-A	♦CODI	54 - 19	RM711Q	RTN	61 - 94	S5741T	♦SIC	22 - 82	SE915	♦NPP	72 - 24	SFC2861T	♦THCF	16 - 26
PVSN10KD	♦CODI	54 - 20	RM711T	RTN	61 - 95	S5741V	SIC	19 - 13	SE915A	♦NPP	72 - 25	SG100T	♦SGL	56 - 3
PVSN10MA	♦CODI	54 - 21	RM723D	RTN	57 - 47	S5748A	SIC	19 - 14	SE915E	♦NPP	72 - 26	SG101AT	SGL	38 - 44
PVSN10MA-A	♦CODI	54 - 22	RM723T	RTN	57 - 48	S5748T	♦SIC	19 - 15	SE915I	♦NPP	72 - 27	SG101T	SGL	37 - 16
PVSN10MB	♦CODI	54 - 23	RM725T	RTN	22 -105	S5748V	SIC	19 - 16	SFC2006	♦THCF	48 - 7	SG102T	♦SGL	26 - 24
PVSN10MC	♦CODI	54 - 24	RM733D	RTN	51 - 10	SA50A	♦TPN	42 - 21	SFC2008	♦THCF	48 - 9	SG104F	SGL	58 - 63
PVSN10MC-A	♦CODI	54 - 25	RM733Q	RTN	51 - 11	SAA570	♦PLSB	78 -100	SFC2011	♦THCF	48 - 12	SG104T	SGL	58 - 64
PVSN10NA	♦CODI	54 - 26	RM733T	RTN	51 - 17	SAA661BE	♦PLSB	78 -101	SFC2100M	THCF	56 - 2	SG105T	♦SGL	58 - 99
PVSN10NA-A	♦CODI	54 - 27	RM741D	♦RTN	19 - 9	SAA661BQ	♦PLSB	78 -102	SFC2101A	THCF	38 - 41	SG107T	SGL	38 - 45
PVSN10NB	♦CODI	54 - 28	RM741Q	♦RTN	19 - 10	SAA700B	♦PLSB	51 - 14	SFC2101APM	THCF	38 - 42	SG108AT	♦SGL	35 - 78
PVSN10NC	♦CODI	54 - 29	RM741T	♦RTN	19 - 11	SAA700C	♦PLSB	77 - 42	SFC2104M	♦THCF	58 - 61	SG108T	♦SGL	34 - 15

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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ULN2171H	♦SPR	22- 74
ULN2171M	♦SPR	22- 75
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ULS2158M	♦SPR	18- 79
ULS2159D	♦SPR	18- 18
ULS2159G	♦SPR	18- 19
ULS2159H	♦SPR	18- 20
ULS2159M	♦SPR	18- 21
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ULS2171G	♦SPR	21- 28
ULS2171H	♦SPR	21- 29
ULS2171M	♦SPR	21- 30
ULS2172D	♦SPR	21- 20
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Z15AT65DL	♦ZEL	72- 33
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Z15AT100DL	♦ZEL	72- 35
Z15AT100DP	♦ZEL	72- 36
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ZA804M1	♦ZEL	22- 63
ZA804M2	♦ZEL	21- 99
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♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1	ID4251	3.0	90u	5.0u†	3.0mΔ§	5.0n§	15n§	2.0	3.0M	1.0	10kØ	300kØ	100	100mt	70	5C	A123	
2	UC4251	3.0	90u	5.0u†	4.0mΔ	5.0n	15n	2.0	3.0M	1.0	10kØ	300kØ	100	100mt	70	5C	A123	TO99
3	ID4251C	3.0	110u	5.0u†	6.0mΔ§	10n§	30n§	2.0	3.0M	1.0	10kØ	300kØ	96	100mt	70	07	A123	
4	UC4251C	3.0	110u	5.0u†	7.5mΔ	15n	50n	2.0	3.0M	1.0	10kØ	300kØ	96	100mt	70	07	A123	TO99
5▼	LM124D	5.0	10m		5.0m§	30n§	300n§	1.5 §		1.5	2.0kØ	1.0MØ	100 †	500m	85 †	5C	A222	MP148
6▼	LM124F	5.0	10m		5.0m§	30n§	300n§	1.5 §		1.5	2.0kØ	1.0MØ	100 †	500m	85 †	5C	A222	FP29
7▼	LM224D	5.0	10m		5.0m§	30n§	300n§	1.5 §		1.5	2.0kØ	1.0MØ	100 †	500m	85 †	28	A222	MP148
8▼	LM324D	5.0	10m		7.0m§	50n§	500n§	1.5 §		1.5	2.0kØ	1.0MØ	100 †	500m	85 †	07	A222	MP148
9▼	LM324N	5.0	10m		7.0m§	50n§	500n§	1.5 §		1.5	2.0kØ	1.0MØ	100 †	500m	85 †	07	A222	MP39
10	153K	5.4	378u	2.0u	250u§	3.0n	3.0n§	2.0	1.0M	2.0	2.0m	150ktØ	94	20m	94	$6		MP5ac
11	153J	5.4	378u	5.0u	1.0m§	3.0n§	3.0n§	2.0	1.0M	2.0	2.0m	150ktØ	94	20m	94	$6		MP5ac
12	1006	5.4	1.0m	50u§	1.0m		50p§	1.0	100Gt	3.0	1.0m	600kØt	80	500m	60	28		MP5c
13	1779	5.4	500mt	15u	Δ	25nt	50n		1.0Mt	2.0	2.0m	15k	97	500m	80	28		MPØ
14	SE533T	6.0	96u		2.0m	10n	15n	3.5	30M	3.0	20kØ	20kØt	84	5.0mt	90	5C		CN1g
15	NE533T	6.0	120u		3.0m	10n	15n	3.5	30M	2.0	2.0kØ	20kØ	81	5.0mt	84	07		CN1g
16	NE533V	6.0	120u		3.0m	10n	15n	3.5	30M	2.0	2.0kØ	20kØ	81	5.0mt	84	07		MP216
17	1404-01	9.0	675u	10u	1.0m§Δ	7.0n§	30n§	8.0	4.0M	6.0	2.0m	100kØ	87	300n	93	28		
18	1404	9.0	675u	20u	5.0m§Δ	7.0n§	30n§	8.0	4.0M	6.0	2.0m	100kØ	87	300n	93	28		
19#	TCA230	12 §		5.0u	5.0m		10u	5.4 §				1.2G§	100		85	5C	A203	TO74
20▼	CA6078AS	12	300u	6.0u§	3.5m§	2.5n§	12n§	28	1.7mt	28	10kØ	2.0kt	92	40mt	80	5C	A174d	
21	CA6078AT	12	300u	6.0u§	3.5m§	2.5n§	12n§	28	1.7Mt	28	10kØ	2.0kt	92	40mt	80	5C	A174d	Δ002AL
22	SG4250M	12 ♦	360u	5.0u†	4.0m	5.0n	15n	24	3.0M	22	10kØ	250kØ	100	160mt	70	5C	A199	TO99
23	ID4250	12 ♦	480u	5.0u†	3.0mΔ§	5.0n§	15n§	24	3.0M	22	1.2m	250ktØ	100	160mt	70	5C	A123	
24	4250	12 ♦	480u	5.0u†	4.0mΔ	5.0n	15n	24	3.0M	22	10kØ	300kØ	100	100mt	70	5C	A123	TO99
25	ICL8021M	12 ♦	480u	5.0u†	4.0mΔ	5.0n	15n	24	3.0M	22	10kØ	300kØ	100	100mt	70	07	A123	TO99
26	ICL8022M	12 ♦	480u	5.0u†	4.0mΔ	5.0n	15n	24	3.0M	22	10kØ	300kØ	100	100mt	70	5C	A123	MP40
27	SG4250T	12 ♦	480u	5.0u†	4.0mΔ	5.0n	15n	24	3.0M	22	10kØ	250kØ	100	160mt	70	5C	A199	TO99
28	UC4250	12 ♦	480u	5.0u†	4.0mΔ	5.0n	15n	24	3.0M	22	10kØ	300kØ	100	100mt	70	5C	A123	TO99
29	UC4252*	12 ♦	480u	5.0u†	4.0mΔ	5.0n	15n	24	3.0M	22	10kØ	300kØ	100	100mt	70	5C	A123	MP40
30	UC4253*	12 ♦	480u	5.0u†	4.0mΔ	5.0n	15n	24	3.0M	22	10kØ	250ktØ	100	160mt	70	5C	A123	MP40
31▼	LH24250D	12	480u	10u†	4.0m	5.0n	15n	24	3.0M	20	10kØ	5.0 †	94	100mt	70	5C	A220a	MP230a
32▼	LH24250F	12	480u	10u†	4.0m	5.0n	15n	24	3.0M	20	10kØ	5.0 †	94	100mt	70	5C	A220a	FP28
33	4250C	12 ♦	600u	5.0u†	7.5mΔ	15n	50n	24	3.0M	22	10kØ	250ktØ	96	10mt	70	07	A123	TO99
34	ICL8021C	12 ♦	600u	5.0u†	7.5mΔ	15n	50n	24	3.0M	22	10kØ	250ktØ	96	100mt	70	07	A123	TO99
35	ICL8022C	12 ♦	600u	5.0u†	7.5mΔ	15n	50n	24	3.0M	22	10kØ	250ktØ	96	100mt	70	07	A123	MP40
36	SG4250CM	12 ♦	600u	5.0u†	7.5mΔ	15n	50n	24	3.0M	22	10kØ	250ktØ	96	160mt	70	07	A199	MP189a
37	SG4250CT	12 ♦	600u	5.0u†	7.5mΔ	15n	50n	24	3.0M	22	10kØ	250ktØ	96	160mt	70	07	A199	TO99
38	UC4250C	12 ♦	600u	5.0u†	7.5mΔ	15n	50n	24	3.0M	22	10kØ	250ktØ	96	100mt	70	07	A123	TO99
39	UC4252C*	12 ♦	600u	5.0u†	7.5mΔ	15n	50n	24	3.0M	22	10kØ	250ktØ	96	100mt	70	07	A123	MP40
40	UC4253C*	12 ♦	600u	5.0u†	7.5mΔ	15n	50n	24	3.0M	22	10kØ	250ktØ	96	100mt	70	07	A123	MP40
41▼	LH24250CD	12	600u	10u†	7.5m	15n	50n	24	3.0M	20	10kØ	5.0 †	94	100mt	70	07	A220a	MP230a
42▼	LH24250CF	12	600u	10u†	7.5m	15n	50n	24	3.0M	20	10kØ	5.0 †	94	100mt	70	07	A220a	FP28
43	170	12	1.4mt	20u	Δ		50n§	3.0	1.0M	10 †	1.0mt	300k§t	100	300m	73 †	28		MP6g
44▼	CA3078S	12	1.5m		5.0m	40n	200n	11 §t	870kt			2.0kt	88	40mt	80	5C	Z122	
45	CA3078T	12	1.5m		5.0m	40n	200n	11 §t	870kt			2.0kt	88	40mt	80	07	Z122	Δ002AL
46	3001-15	12 ♦	12m	10u	1.0m§		10n§	8.0	1.0Mt	8.0	10m	500kØ	96	100m	80 †	28		MP287a
47	3002-15	12	24m	15u	1.0m§		100p§	8.0	100Gt	8.0	10m	500kØ	90	700m	60 †	28		MP287a
48	819BE	12	25m	100u§	7.0mt	.10u§	.50u§	8.0	50k	8.0	5.0kØ		90		70	5C	A019	TO99
49	819BH	12	25m	100u§	7.0mt	.10u§	.50u§	8.0	50k	8.0	5.0kØ		90		70	5C	A019	FP5
50	CA3008A	12	30mt		2.0m§	1.5u§	4.0u§	4.5 §t	15k	6.8 †	19kØ	200k	57	3.0 †	70	5C	A051	FP10
51	CA3010A	12	30mt		2.0m§	1.5u§	4.0u§	4.5 §t	15k	6.8 †	19kØ	200k	57	3.0 †	70	5C	A051	CN18
52	CA3029A	12	30mt		2.0m§	1.5u§	4.0u§	4.5 §t	15k	6.8 †	17kØ	200k	57	3.0 †	70	07	A051	TO116
53	CA3037A	12	30mt		2.0m§	1.5u§	4.0u§	4.5 §t	15k	6.8 †	19kØ	200k	57	3.0 †	70	5C	A051	MP3
54	CA3008	12	30mt		5.0m§	5.0u§	12u§	4.5 §t	10k	4.0	5.0kØ	200k	57		70	5C	A051	FP10
55	CA3010	12	30mt		5.0m§	5.0u§	12u§	4.5 §t	10k	4.0	5.0kØ	200k	57		70	5C	A051	CN18
56	CA3029	12	30mt		5.0m§	5.0u§	12u§	4.5 §t	10k	4.0	5.0kØ	200k	57		70	07	A051	TO116
57	CA3037	12	30mt		5.0m§	5.0u§	12u§	4.5 §t	10k	4.0	5.0kØ	200k	57		70	5C	A051	MP3
58	CA3060D*†	12	45m		5.0m§	1.0u§	5.0u§	8.3 §	10k	10	150u	110kt		8.0 †	70	5C	A180	Δ001AE
59	MC1530F	12	150m		6.0m	2.0u§	10u§	4.0	10k	9.0	1.0kØ	1.0M	73	1.7	70	5C	A045	TO91
60	MC1530G	12	150m		6.0m	2.0u§	10u§	4.0	10k	9.0	1.0kØ	1.0M	73	1.7	70	5C	A045	CN8g
61	MC1430F	12	150m		10m§	4.0u§	15u§	4.0	5.0k	8.0	1.0kØ	1.0M	69	1.7	65	07	A045	TO91
62	MC1430G	12	150m		10m§	4.0u§	15u§	4.0	5.0k	8.0	1.0kØ	1.0M	69	1.7	65	07	A045	CN8g
63	MC1430P	12	150m		10m§	4.0u§	15u§	4.0	5.0k	8.0	1.0kØ	1.0M	69	1.7	65	07	A045	TO116
64	MC1531F	12	150m		10m§	250n§	150n§	4.0	1.0M	9.0	1.0kØ	400kt	67	1.4	65	5C	A046	TO91
65	MC1531G	12	150m		10m§	250n§	150n§	4.0	1.0M	9.0	1.0kØ	400kt	67	1.4	65	5C	A046	CN8g
66	MC1431F	12	150m		15m§	100n§	300n§	4.0	300k	8.0	1.0kØ	400kt	63	1.4	60	07	A046	TO91
67	MC1431G	12	150m		15m§	100n§	300n§	4.0	300k	8.0	1.0kØ	400kt	63	1.4	60	07	A046	CN8g
68	MC1431P	12	150m		15m§	100n§	300n§	4.0	300k	8.0	1.0kØ	400kt	63	1.4	60	07	A046	TO116
69	MC1535F*	12	180m	10u†	5.0m	300n§	6.0u	5.0 §	10k	5.0	2.0kØ	1.0MØt	72	167mt	70	5C	A035	TO86
70	MC1535G*	12	180m	10u†	5.0m	300n§	6.0u	5.0 §	10k	5.0	2.0kØ	1.0MØt	72	167mt	70	5C	A035	CN8d
71	MC1435F*	12	180m	10u†	7.5m	1.5u	10u	5.0 §	10k	4.6	2.0kØ	1.0MØt	71	167mt	70	07	A035	TO86
72	MC1435G*	12	180m	10u†	7.5m	1.5u	10u	5.0 §	10k	4.6	2.0kØ	1.0MØt	71	167mt	70	07	A035	CN8d
73	MC1435L*	12	180m	10u†	7.5m	1.5u	10u	5.0 §	10k	4.6	2.0kØ	1.0MØt	71	167mt	70	07	A035	TO116
74	MC1520F	12	240m	2.0u†	10m§	200n	2.0u§	4.0	500k	7.0	7.0kØ	2.0Mt	60	5.0 †	75	5C	B007	TO91
75	MC1520G	12	240m	2.0u†	10m§	200n	2.0u§	4.0	500k	7.0	7.0kØ	2.0Mt	60	5.0 †	75	5C	B007	CN10b
76	MC1420F	12	240m	2.0u†	15m§	200n§	40u§	6.0 †	200kt	6.0	7.0kØ	2.0Mt	64 †	5.0 †	60	07	B007	TO91
77	MC1420G	12	240m	2.0u†	15m§	200n§	40u§	6.0 †	200kt	6.0	7.0kØ	2.0Mt	64 †	5.0 †	60	07	B007	CN10b
78#	TCA220*	12	550m		10m§	200nt§	2.0u§	24 Δ	25k	9.5			72	400mt	90 †	5C	A183	MP252a
79	A214	14	14m	2.0mØ	Δ	50p	50p§	20	1.0Tt	20	2.0m	1.5M		4.0k	80	28	B041	MP179
80♦	CA3060*	14	200m		5.0m§	1.0u§	5.0u§	9.5 §	10k	10	1.3u			100mt	70	5C	A180	Δ001AE
81▼	CA3060H*	14	200m		5.0m§	1.0u§	5.0u§	9.5 §	10k	10	1.3u			100mt	70	5C	A180	FC16p
82#	TL1741	15	85m	6.0u†	6.0m	500n	500n§	24	300k	24	10kØ	10	94	800mt	70	5C	A014	TO99
83	NC210A	15	200m	15u	1.0m§	130n§		24	50k	24 †		2.5Mt	62	100 †	65	5C	A103	CN34
84	NC210B	15	200m	25u	5.0m§	200n§		24	30k	24 †		2.5Mt	58	100 †	60	5C	A103	CN34
85	MC3301P	15 §	215m				100nt		100kØ	13	3.0m	4.0MØt	40	600mt	55 †	48	A204	MP307
86	MC3401P	15 §	215m				500n		100k	13	5.0m	5.0MØt	40	600mt	55 †	07	A205	MP307
87	SH3000	18 §	120m	7.5u†	7.5m	.20u	1.0u	3.5	1.0M	10	100kØ	8.0Mt	63		70	5C	B012	TO100
88	MIC712-1B	18 §	120m	10u	3.0m	1.5uØ	10uØ	4.5 §	10k	10	100kØ		67		80	5C	A015	TO91
89	MIC712-1C	18 §	120m	10u	3.0m	1.5uØ	10uØ	4.5 §	10k	10	100kØ		67		80	5C	A015	CN1
90	MIC712-1D	18 §	120m	10u	3.0m	1.5uØ	10uØ	4.5 §	16k	10	100kØ		67		80	5C	A015	MP14m
91	SN52702AL	18 §	120m	10u	3.0m	1.5u	10u	4.5 §	16k	10	100kØ		68	1.7	80	5C	A015	TO99
92	SN52702AN	18 §	120m	10u	3.0m	1.5u	10u	4.5 §	16k	10	100kØ		68	1.7	80	5C	A015	MP39h
93	SN52702AS	18 §	120m	10u	3.0m	1.5u	10u	4.5 §	16k	10	100kØ		68	1.7	80	5C	A015	FP2s
94	TAA242Ø	18 §	120m	10u	3.0m	1.5u	10u	7.5 §t	16k	10			68		80	5C	A077	TO99
95	uA702-3F-312	18 §	120m	10u	3.0m	1.5u	10u	4.5 §	16k	10	100kØ	1.0Mt	68		80	5C	A015	TO91
96	uA702-5B-312	18 §	120m	10u	3.0m	1.5u	10u	4.5 §	16k	10	100kØ	1.0Mt	68		80	5C	A015	TO99
97	uA702-6A-312	18 §	120m	10u	3.0m	1.5u	10u	4.5 §	16k	10	100kØ	1.0Mt	68		80	5C	A015	MP14v
98	RC702DN	18 §♦	120m	10u	6.0m	3.0u	20u	4.5 §	8.0k	10	100kØ	1.0Mt	63		70	07	A015	MP40
99	RC702DP	18 §♦	120m	10u	6.0m	3.0u	20u	4.5 §	8.0k	10	100kØ	1.0Mt	63		70	07	A015	MP40
100	RC702T	18 §♦	120m	10u	6.0m	3.0u	20u	4.5 §	8.0k	10	100kØ	1.0Mt	63		70	07	A015	TO99
101	RM702D	18 §♦	120m	10u	6.0m	3.0u	20u	4.5 §	8.0k	10	100kØ	1.0Mt	63		70	5C	A015	MP40
102	SN52702L	18 §	120m	10u	6.0m	3.0u	20u	4.5 §	8.0k	10	100kØ		63	1.7	70	5C	A015	TO99
103	SN52702N	18 §	120m	10u	6.0m	3.0u	20u	4.5 §	8.0k	10	100kØ		63	1.7	70	5C	A015	MP39h
104	SN52702S	18 §	120m	10u	6.0m	3.0u	20u	4.5 §	8.0k	10	100kØ		63	1.7	70	5C	A015	FP2s
105	RM702AQ	18 §♦	120m	15u	3.0m	1.5u	10u	4.5 §	40kt	10	100kØ		68		80	5C	A015	FP2k
106	RM702AT	18 §♦	120m	15u	3.0m	1.5u	10u	4.5 §	40kt	10	100kØ		68		80	5C	A015	TO99
107#	702-9-6E	18 §	120m	20u	6.5m	2.5u	12u	4.5 §	10k	10	100kØ	1.0Mt	66	50 †	80	07		TO116
108	712-9-5B	18 §	120m	20u	6.5m	2.5u	12uØ	4.5 §	10k	7.0	10kØ		86		65	07	A015	TO99
109	MIC712-5B	18 §	120m	20u	6.5m	2.5u	12uØ	4.5 §	10k	10	100kØ		66		70	07	A015	TO91
110	MIC712-5C	18 §	120m	20u	6.5m	2.5u	12uØ	4.5 §	10k	10	100kØ		66		70	07	A015	CN1

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1	MIC712-5D	18 §	120m	20u	6.5m	2.5u	12u☑	4.5 §	10k	10	100kØ		66		70	07	A015	MP14m
2	RC702D	18 §♦	120m	20u	6.5m	2.5u	12u	4.5 §	25kt	10	100kØ		64		65	07	A015	MP40
3	RC702Q	18 §♦	120m	20u	6.5m	2.5u	12u	4.5 §	25kt	10	100kØ		64		65	07	A015	FP2k
4	uA702-5B-393	18 §	120m	20u	6.5m	2.5u	12u	4.5 §	10k	10	100kØ	1.0Mt	66		80	07	A015	TO99
5	uA702-6A-393	18 §	120m	20u	6.5m	2.5u	12u	4.5 §	10k	10	100kØ	1.0Mt	66		80	07	A015	MP14v
6	SN52702BL	18 §	120m	20u	7.5m	4.0u	20u	4.5 §	10k	10	100kØ		66		70	5C	A015	CN1
7	SN52702BN	18 §	120m	20u	7.5m	4.0u	20u	4.5 §	10k	10	100kØ		66		70	5C	A015	TO116
8	SN52702BS	18 §	120m	20u	7.5m	4.0u	20u	4.5 §	10k	10	100kØ		66		70	5C	A015	FP2s
9	SN72702L	18 §	125m	5.0u	15m	7.5u	20u	4.5 §	6.0k	10	100kØ		60	1.7	65	07	A015	TO99
10	SN72702N	18 §	125m	5.0u	15m	7.5u	20u	4.5 §	6.0k	10	100kØ		60	1.7	65	07	A015	MP39h
11	SN72702S	18 §	125m	5.0u	15m	7.5u	20u	4.5 §	6.0k	10	100kØ		60	1.7	65	07	A015	FP2s
12#	TAA241	18 §	125m	20u	6.5m	2.5u	12u	10	10k	10	100kØ		65		65	07	A077	TO99
13	ADO52A	18 §	210m	20u	5.0m§	2.0u§	7.5u§	5.0	10k	8.0	6.0m	20M§	68	15	70	5C	A057	MP47
14	ADO52C	18 §	210m	20u	5.0m§	2.0u§	7.5u§	5.0	10k	8.0	6.0m	20M§	66	15	70	07	A057	MP47
15	SN521A	19 §	28mt	25u	4.0m		2.0ut§	8.0 Δ	30k	5.0	2.0kØ	30k	54		50	5C	A065	TO89
16	SN522A	19 §	72mt	25u	4.0m		2.0ut§	8.0 Δ	30k	5.0	2.0kØ	30k	54		50	5C	A066	TO89
17#	TAA861W	20		6.0u	2.0m	50n	1.0u		200k	16	400 Ø		90	3.0	80	07	A125	FP26
18#	TAA865W	20		6.0u	2.0m	50n	1.0u		200k	16	400 Ø		90	3.0	80	28	A125	FP26
19#	TAA865	20	60m	6.0u	2.0m	50n	1.5u	18	200k	16	400 Ø		90	3.0	80	28	A125	TO78
20#	TAA865A	20	60m	6.0u	2.0m	50n	1.5n	18	200k	16	400 Ø		90	3.0	80	28	A125	
21#	SFC2861C	20	70mt	6.0ut	11m§	330n§	1.5u§	18 †	200kt	18	2.0kØ		90 †	3.0 †	80	07	A125a	CN44
22#	SFC2861DC	20	70mt	6.0ut	11m§	330n§	1.5u§	18 †	200kt	18	2.0kØ		90 †	3.0 †	80	07	A125a	MP279
23#	SFC2861DT	20	70mt	6.0ut	11m§	330n§	1.5u§	18 †	200kt	18	2.0kØ		90 †	3.0 †	80	28	A125a	MP279
24#	SFC2861M	20	70mt	6.0u	11m	330n	1.5u	18	200kt	18	2.0kØ		90 †	3.0 †	80	5C	A125a	CN44
25#	SFC2861PM	20	70mt	6.0u	11m	330n	1.5u	18	200kt	18	2.0kØ		90 †	3.0 †	80	5C	A125a	TO91
26#	SFC2861T	20	70mt	6.0ut	11m§	330n§	1.5u§	18 †	200kt	18	2.0kØ		90 †	3.0 †	80	28	A125a	CN44
27#	TAA861	20	70m	6.0u	11m	70n	1.5u	18	200k	18	2.0kØ			3.0	80	07	A125	TO78
28#	TAA861A	20	70m	6.0u	11m	70n	1.5u	18	200k	18	2.0kØ			3.0	80	07	A125a	MP303
29	813CJ*	20	120m		4.0m§	2.0u§	5.0u§	10 Δ					76			0A	A121	MP147
30#	FSS204§	24		4.0u§	50u§†			SE	1.0kt				120			48		MP82
31	PC201	24		10u	5.0m	20n§†	300n§†	8.0 Δ	200k			20kt	72 †		100	5C	A027	FP9
32	PC201H	24		10u	5.0m	20nt§	300nt§	16 Δ	200kt			10kt	73 †		100	5C	A027	FP9
33▼	CA3094T	24	12m		7.0m	300n	700n	27	500k	27 †	2.0kØ	4.0kt	86	500 †	70	5C	A207	Δ002AL
34	A242	24	24mt	250n☑	15u§Δ		50p§		400kt	20	2.0m	1.0MØ	100m	300mt		28	A053b	MP199
35	PC200	24	30m	10u	5.0m	40n§†	600n§†	8.0 Δ	100kt			20kt	73 †		65	5C	A026	FP7
36	PC200H	24	34mt	10u	5.0m	40nt§	600nt§	16 Δ	100kt	12	10kØ	20kt	73 †		65	5C	A026	FP7c
37	NH0005C	24	60m	20ut	10m	25n	.10u	24	500k	8.0		30MØ	66	25	50	07	A005	CN8a
38	4009#1	24	60m	500ut	100mt		200nt	20 †	20kt	6.0 †	2.0kØ	30MØt	53 †	10 †	60 †	5C	A040	CN14
39	PC212	24	90mt	15u	5.0m§	100n§	500nt§	20 †	60k	20 †	5.0kØ	1.0Mt	60	200ut	65	5C	A028	FP7d
40	NH0005A	24	108m	10ut	4.0m	25n	125n		1.0M	16	10kØ		72		60	5C		CN36
41	NH0005	24	108m	20ut	10m	75n	250n		1.0M	16	10kØ		66		55	5C		CN36
42	NH0005-883	24	108m	20ut	10m	75n	250n		1.0M	16	10kØ		66		55	5C		CN36
43	800DE	24	120m			200n	2.0u	4.0	100k	16	♦	10Mt∅	80			5C	A017	TO100
44	801DE	24	120m			200n	2.0u	4.0	100k	16	♦	10Mt∅	80			5C	A017	TO101
45#	M5133P	24	120mt	6.6ut	7.5m§	35n§	350n§	11 §	150k	18	36m		84	1.2 †	84	27	A061	MP14j
46	800BE	24	120m	50u	50m	100n	1.0u	4.0	250k	18	♦	10Mt∅	80		80 †	5C	A017	TO100
47	801BE	24	120m	50u	50m	100n	1.0u	4.0	250k	18	♦	10Mt∅	80		80 †	5C	A017	TO101
48	805CE	24	160m	30u	10m§	100n§	1.0u§	16	100k	18	♦	1.0Mt∅	80		90 †	0A	A018	TO100
49	806CE	24	160m	30u	10m§	100n§	1.0u§	16	100k	18	♦	1.0Mt∅	80		90 †	0A	A018	TO100
50#	ZN402E	24	168m	5.0ut§	6.0m§	500n§	1.2u§	10	100kt	10	3.0m	10kt	74		80	6C	A188	MP14aa
51#	ZN402T	24	168m	5.0ut§	6.0m§	500n§	1.2u§	10	100kt	10	3.0m	10kt	74		80	6C	A189	CN1n
52	CA3015A	24	175mt		1.0m§	1.6u§	6.0u§	8.7 §†	7.5k	14 †	19kØ	200k	66	7.0 †	80	5C	A051	FP10
53▼	CA3015H	24	175mt		1.0m§	1.6u§	6.0u§	8.7 §†	7.5k	14 †	19kØ	200k	66	7.0 †	80	5C	A015	FC16b
54▼	CA3015L	24	175mt		1.0m§	1.6u§	6.0u§	8.7 §†	7.5k	14 †	19kØ	200k	66	7.0 †	80	5C	A015	FC17
55	CA3016A	24	175mt		1.0m§	1.6u§	6.0u§	8.7 §†	7.5k	14 †	19kØ	200k	66	7.0 †	80	5C	A051	CN18
56	CA3030A	24	175mt		1.0m§	1.6u§	6.0u§	8.7 §†	7.5k	14 †	20kØ	200k	66	7.0 †	80	07	A051	TO116
57	CA3038A	24	175mt		1.0m§	1.6u§	6.0u§	8.7 §†	7.5k	14 †	19kØ	200k	66	7.0 †	80	5C	A015	MP3
58	CA3015	24	175mt		5.0m§	5.0u§	24u§	8.7 §†	5.0k	12	12kØ	200k	66		80	5C	A015	CN18
59	CA3016	24	175mt		5.0m§	5.0u§	24u§	8.7 §†	5.0k	12	12kØ	200k	66		80	5C	A015	FP10
60	CA3030	24	175mt		5.0m§	5.0u§	24u§	8.7 §†	5.0k	12	11kØ	200k	66		80	07	A015	TO116
61	CA3038	24	175mt		5.0m§	5.0u§	24u§	8.7 §†	5.0k	12	12kØ	200k	66		80	5C	A015	MP3
62	CA3033	24	180m	6.6ut	5.0m§	35n§	350n§	11 §	150k	18	72m	20kt	84	1.2 †	84	5C	A061	MP3
63▼	CA3033H	24	180m	6.6ut	5.0m§	35n§	350n§	11 §	150k	18	72m	20kt	84	1.2 †	84	5C	A061	FC16g
64	CA3047	24	180m	6.6ut	5.0m§	35n§	350n§	11 §	150k	18	72m	20kt	84	1.2 †	84	07	A061	TO116
65	425#1	24	192m	20ut	20mt		500nt	20 †	20kt	6.0 †	50 Ø	2.0MØt	73 †	5.0 †	80 †	28	A039	OCT
66	435#1	24	192m	20ut	20mt		500nt	20 †	20kt	16 †	50 Ø	2.0MØt	73 †	5.0 †	80 †	28		CN☑
67#	ZLD2T	24	240m	25u☑	12m§	500n§	4.0u§	24 Δ	500kt	18	6.0mt	50kt	65 †		80 †	58	A080	TO78
68#	ZLD2U	24	240m	50u☑	20m§	3.0u§	6.0u§	24 Δ	250kt	30	6.0mt	100kt	50 †		80 †	58	A080	TO78
69#	SL701B/T	24	300m	15ut§	5.0m§	300n§	1.0u§		100kt	7.0 †		250k	66		70	5H	A076	CN11b
70#	SL702B/T	24	300m	15ut§	5.0m§	300n§	1.0u§		100kt	7.0 †		250k	66		70	5H	A076	CN11b
71#	SL751B/E	24	300m	15ut§	5.0m§	300n§	1.0u§		100kt	7.0 †		250k	66		70	5H	A076	MP14k
72#	SL751B/F	24	300m	15ut§	5.0m§	300n§	1.0u§		100kt	7.0 †		250k	66		70	5H	A076	FP6c
73#	SL701C/T	24	300m	15ut§	20m§	1.8u§	3.0u§		100kt	7.0 †		250k	66		60	5H	A076	CN11b
74#	SL702C/T	24	300m	15ut§	20m§	1.8u§	3.0u§		100kt	7.0 †		250k	66		60	5H	A076	CN11b
75#	SL751C/E	24	300m	15ut§	20m§	1.8u§	3.0u§		100kt	7.0 †		250k	66		60	5H	A076	MP14k
76#	SL751C/F	24	300m	15ut§	20m§	1.8u§	3.0u§		100kt	7.0 †		250k	66		60	5H	A076	FP6c
77	TOA1747J*	30			6.0m	500n	1.5	24	300k	24	10kØ	10k	94	500mt	70	5C		TO116
78	TOA2747J*	30			7.5m	300n	800m	24	300k	24	10kØ	10k	86	500mt	70	07		TO116
79▼	AD504M	30		500n	500u§	10n§	80n§	30	1.3M	20	10m	300k	120	120mt	110	07		
80	TOA2809J*	30		3.0ut	10m	750n	2.0u	16	150k	24	10kØ	10k	83	300mt	65	07	A104	TO116
81	TOA1809J*	30		6.0ut	6.0m	500n☑	1.5u☑	16	150k	24	10kØ	10k	87	300mt	70	5C	A104	TO116
82#	TCA325A	30		6.0u	7.5m	50n	1.0u		200k	24			90	9.0	84	07	A196	MP303
83▼#	SFC2315DC	30		6.0u	10m	50n	1.0u		3.0M	24			90		84	07	A195	MP279
84#	TCA315A	30		6.0u	10m	50n	1.0u		3.0M	24			90		84	07	A195	MP303
85#	TCA335A	30		6.0u	10m	50n	1.0u		3.0M	24			90	9.0	84	07	A195	MP303
86▼	AD506L	30		10u	1.0m§		5.0p§	20	100G	20	10m	100k	97	3.0	80	07		
87▼	AD507S	30		20u	4.0m§	15n§	15n§	20	65M	20	1.0m	100M	100	20	80	5C		
88	L144CL	30	750u		10m	70n	200n	24		20	1.5m	400kØ	80	400m	80	07	A201	TO86
89	9716	30	750u	50u	20m	15p	50p	24	1.0T	20	200m	15MØ	86	100	90	58		MP5bk
90	AMLM308D	30 ♦	900ut	30u	10m	1.5n	10n	27	10M	26	10kØ		87		80	07	A157	MP151a
91	AMLM308H	30 ♦	900ut	30u	10m	1.5n	10n	27	10M	26	10kØ		87		80	07	A157	TO99
92	RC4132DN	30 ♦	1.1m	15	4.0m	4.0n	20n	30	20Mt	24	10kØ		94	130mt	80	07		MP40
93	RM4132D	30 ♦	1.1m	15	4.0m	4.0n	20n	30	20Mt	24	10kØ		94	130mt	80	5C		MP40
94	RM4132Q	30 ♦	1.1m	15	4.0m	4.0n	20n	30	20Mt	24	10kØ		94	130mt	80	5C		FP2k
95	RM4132T	30 ♦	1.1m	15	4.0m	4.0n	20n	30	20Mt	24	10kØ		94	130mt	80	5C		TO99
96	SG1250M	30	1.2m	4.0u	4.0m	8.0n	15n	30	3.0M	22	10kØ		100	200mt	70	5C	A123	MP189a
97	SG1250T	30	1.2m	4.0u	4.0m	8.0n	15n	30	3.0m	22	10kØ	300kØ	100	200mt	70	5C	A199	TO99
98	SG2250M	30	1.2m	4.0u	4.0m	8.0n	15n	30	3.0M	22	10kØ		100	200mt	70	07	A123	MP189a
99	SG2250T	30	1.2m	4.0u	4.0m	8.0n	15n	30	3.0m	22	10kØ	300kØ	100	200mt	70	5C	A199	TO99
100	SG3250M	30	1.2m	6.0u	7.5m	15n	30n	30	3.0M	22	10kØ		96	200mt	70	07	A123	MP189a
101	SG3250T	30	1.2m	6.0u	7.5m	15n	30n	30	3.0m	22	10kØ	250kØ	96	200mt	70	07	A199	TO99
102	RC4132D	30 ♦	1.3mt	20u	6.0m	7.5n	35n	30	10Mt	24	10kØ		94	130mt	70			MP40
103	RC4132Q	30 ♦	1.3mt	20u	6.0m	7.5m	35n	30	10Mt	24	10kØ		94	130mt	70			FP2k
104	RC4132T	30 ♦	1.3mt	20u	6.0m	7.5n	35n	30	10Mt	24	10kØ		94	130mt	70			TO99
105	3229-12C	30	1.8m	20u	2.0m§		50p§	30	100Gt	30	2.0m	50kØ	90	300m	75 †	28		MP5by
106	3230-12C	30	1.8m	50u	4.0m§		100p§	30	100Gt	30	2.0m	50kØ	90	300m	75 †	28		MP5by
107	Q200	30	1.9m	20u	1.0m§		25n§	6.0	4.0M	2.0	2.0m	150kØ	86	3.0	75	28		MP5bc
108▼	LH0001AD	30 ♦	2.1mt	3.0u	4.0m	100n	300n	40		20	2.0kØ		88		70	5C	A215	MP148
109▼	LH0001AF	30 ♦	2.1mt	3.0u	4.0m	100n	300n	40		20	2.0kØ		88		70	5C	A215	FP18
110▼	LH0001AH	30 ♦	2.1mt	3.0u	4.0m	100n	300n	40		20	2.0kØ		88		70	5C	A215	CN17g

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (±V)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (±V)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (±V)	P-P CUR. (±A)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1▼	LH0001ACD	30 ♦	2.1m†	3.0u	7.0m	100n	300n	40		20	2.0kØ		88		70	28	A215	MP148
2▼	LH0001ACF	30 ♦	2.1m†	3.0u	7.0m	100n	300n	40		20	2.0kØ		88		70	28	A215	FP18
3▼	LH0001ACH	30 ♦	2.1m†	3.0u	7.0m	100n	300n	40		20	2.0kØ		88		70	28	A215	CN17g
4	1323-01	30	2.4m	30u†	3.0m§	2.5n†§	20n§	20	50k†	24	20m	1.0MØ†	106	20 †	106 †	28		TO99
5	1323-02	30	2.4m	30u†	3.0m§	2.5n†§	20n§	20	50k†	24	20m	1.0MØ†	106	20 †	106 †	5C		TO99
6	1323	30	2.4m	30u†	5.0m§	2.5n†§	40n§	20	50k†	24	20m	1.0MØ†	106	20 †	106 †	07		TO99
7▼	LM4250H	30	3.0m		6.0m	10n☑	50n	27		24	10kØ		94		70	07	A123b	CN1f
8♦	LM4250CH	30	3.0m		7.5m	25n	80n	27		24	10kØ		94		70	07	A123b	CN1f
9▼	LM4250CN	30	3.0m		7.5m	25n	80n	27		24	10kØ		94		70	5C	A123b	MP236
10♦	HA1-2700	30	4.5m	10u	5.0m	30n	50n	22	5.0M	24	20m	450k	112	10	86	5C		TO116
11♦	HA2-2700	30	4.5m	10u	5.0m	30n	50n	22	5.0M	24	20m	450k	112	10	86	5C		TO99
12♦	HA1-2704	30	4.5m	10u	6.0m	30n	50n	22	5.0M	24	20m	450k	112	10	86	28		TO116
13♦	HA2-2704	30	4.5m	10u	6.0m	30n	50n	22	5.0M	24	20m	450k	112	10	86	28		TO99
14♦	HA1-2705	30	4.5m	20u	7.0m	40n	70n	22	5.0M	24	20m	450k	106	10	80	07		TO116
15♦	HA2-2705	30	4.5m	20u	7.0m	40n	70n	22	5.0M	24	20m	450k	106	10	80	07		TO99
16	AD039	30	6.0m	50u	1.0mΔ§		50p§	24	100G	22	2.0m	200k§	97	200m	66	28	A053b	MP42b
17	SG308T	30 ♦	16m	30u§	10m§	1.5n§	10n§	27	10M	26	10kØ	800k	88	400m	80	07	A098	TO99
18	AD108AH	30	18m	5u	500u	200p	2.0n	28		26						5C		TO99
19	AD208AH	30	18m	5u	500u	200p	2.0n	28		26						28		TO99
20	AD108H	30	18m	15u	2.0m	200p	2.0n	28		26						5C	A146	TO99
21	AD208H	30	18m	15u	2.0m	200p	2.0n	28		26						28	A146	TO99
22	LA108H	30	18m	15u	3.0m	400p	3.0n	28	30M	26	10kØ		94		85	5C	A098	CN1c
23	LA208H	30	18m	15u	3.0m	400p	3.0m	28	30M	26	10kØ		94		85	28	A098	CN1c
24▼	LH2108D	30	18m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	10 †	88	200m†	85	5C	A221	MP230a
25▼	LH2108F	30	18m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	10 †	88	200m†	85	5C	A221	FP28
26▼	LH2208D	30	18m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	10 †	88	200m†	85	28	a221	MP230a
27▼	LH2208F	30	18m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	10 †	88	200m†	85	28	A221	FP28
28	LA308H	30	18m	30u	10m	1.5n	10n	28	10M	26	10kØ		83		80	07	A098	CN1c
29	183L	30	20m	1.5u	Δ	4.0n§	40n§	20 Δ	2.0M	20	5.0m	500kØ	106	300m	100	28		MP5n
30	183K	30	20m	3.0u	Δ	4.0n§	40n§	20 Δ	2.0M	20	5.0m	500kØ	106	300m	100	28		MP5n
31	183J	30	20m	5.0u	Δ	4.0n§	40n§	20 Δ	2.0M	20	5.0m	500kØ	106	300m	100	28		MP5n
32▼	9831	30	20m	5.0u	Δ	3.0n	35n	20	10M	20	10m	3.0M§	100	6.0	86	27		MP268
33	AM166039F	30	22m	30u	10m	4.0n	25n	30	4.0M	26	10kØ		87	100m	80	07	A157	MP151a
34	AM166039T	30	22m	30u	10m	4.0n	25n	30	4.0M	26	10kØ		87	100m	80	07	A157	TO99
35	AD308AH	30	24m	5u	500u	1.0n	7.0n	28		26						07		TO99
36	AMLM308AD	30 ♦	24m	5.0u	730u	1.5n	10n	27	10M	26	10kØ		98		96	07	A157	MP151a
37	AMLM308AH	30 ♦	24m	5.0u	730u	1.5n	10n	27	10M	26	10kØ		98		96	07	A157	TO99
38	LA308AH	30	24m	5.0u	730u	1.5n	10n	28	10M	26	10kØ	800k	98	400m	96	07	A098	CN1d
39▼	LH2308AD	30	24m	5.0u	730u	1.5n	10n	28	10M	26	2.6m	10 †	96	200m†	96	07		MP230a
40▼	LH2308AF	30	24m	5.0u	730u	1.5n	10n	28	10M	26	2.6m	10 †	96	200m†	96	07		FP28
41	LM308AD	30	24m	5.0u	730u	1.5n	10n	28	10M	26	10kØ		98		96	07	A098	MP14r
42	LM308AF	30	24m	5.0u	730u	1.5n	10n	28	10M	26	10kØ		98		96	07	A098	FP2n
43	LM308AH	30	24m	5.0u	730u	1.5n	10n	28	10M	26	10kØ		98		96	07	A098	CN1d
44	SG308AT	30 ♦	24m	5.0u	730m	1.5n	10n	27	10M	26	10kØ		92		96	07		TO99
45	AD308H	30	24m	30u	7.5m	1.0n	7.0n	28		26						07	A146	TO99
46	ICL308LNTY	30	24m	30u	10m	1.5n	10n	27		26	10kØ	300kt Ø	83	300m†	80	07		TO99
47▼	LH2308D	30	24m	30u	10m	1.5n	10n	27	10M	26	10kØ	10 †	84	200m†	80	07	A221	MP230a
48▼	LH2308F	30	24m	30u	10m	1.5n	10n	27	10M	26	10kØ	10 †	84	200m†	80	07	A221	FP28
49▼	LM312H	30	24m	30u	10m	1.5n	10n	28	10M	26	10kØ		87		80	07	A206	TO99
50	1617	30	30m†	15u	Δ	2.0n†	3.0n	20 †	1.0M†	20	6.0m	500kØ	90	500m	80	28		MP5y
51	42K	30	30m	25u	2.0m§Δ		250f§	30	10T†	20	10m	1.0MtØ	120	250m	66	28		MP5c
52	1402-02	30	30m	50u	300u§	10p	30p	24	1.0T†	26	2.0m	2.5MØ†	80	3.0	76	28		CN2
53	1402-01	30	30m	50u	1.0m§	10p	30p	24	1.0T†	26	2.0m	2.5MØ†	80	3.0	76	28		CN2
54	1402	30	30m	50u	3.0m	10p	30p	24	1.0T†	26	2.0m	2.5MØ†	80	3.0	76	28		CN2
55	42J	30	30m	75u	2.0m§Δ		500f§	30	10T†	20	10m	1.0MtØ	120	250m	66	28		MP5c
56	42L	30	30m	75u	2.0m§Δ		150f§	30	10T†	20	10m	1.0MtØ	120	250m	66	28		MP5c
57	CA3080	30	36m		5.0m	600n§	7.0u	24	10k	24	350u	2.0M†		50 †	80	07	Z124	Δ002AL
58	CA3080A	30	36m		5.0m	600n§	8.0u	24	10k	24	350u	2.0M†		50 †	80	5C	Z124	Δ002AL
59▼	CA3080AS	30	36m		5.0m	600n§	8.0u	24	10k	24	350u	2.0M†		50 †	80	5C	Z124	
60▼	CA3080H	30	36m		5.0m	600n§	7.0u	24	10k	24	350u	2.0M†		50 †	80	5C	Z124	FC16t
61▼	CA3080S	30	36m		5.0m	600n§	7.0u	24	10k	24	350u	2.0M†		50 †	80	5C	Z124	
62	ULS2174D	30	40m		3.5m	7.0n	30n	24	30M	20	5.0kØ	4.0kt	100	250m	85	5C	A174b	TO99
63	ULS2174G	30	40m		3.5m	7.0n	30n	24	30M	20	5.0kØ	4.0kt	100	250m	85	5C	A172a	FP☑
64	ULS2174H	30	40m		3.5m	7.0n	30n	24	30M	20	5.0kØ	4.0kt	100	250m	85	5C	A173d	MP☑
65	ULS2174M	30	40m		3.5m	7.0n	30n	24	30M	20	5.0kØ	4.0kt	100	250m	85	5C	A200	MP☑
66	ULS2173D	30	40m		5.0m	7.0n	17n	24	30M	20	5.0kØ	4.0kt	100	250m	85	5C	A174	TO99
67	ULS2173G	30	40m		5.0m	7.0n	17n	24	30M	20	5.0kØ	4.0kt	100	250m	85	5C	A172	FP☑
68	ULS2173H	30	40m		5.0m	7.0n	17n	24	30M	20	5.0kØ	4.0kt	100	250m	85	5C	A173e	MP☑
69	ULS2173M	30	40m		5.0m	7.0n	17n	24	30M	20	5.0kØ	4.0kt	100	250m	85	5C	A200a	MP☑
70	RM4131D	30 ♦	40m	15u	3.0m	20n	100n	30	3.5M†	24	10kØ		94	1.5	80	5C	A092	MP40
71	RM4131Q	30 ♦	40m	15u	3.0m	20n	100n	30	3.5M†	24	10kØ		94	1.5	80	5C	A092	FP2k
72	RM4131T	30 ♦	40m	15u	3.0m	20n	100n	30	3.5M†	24	10kØ		94	1.5	80	5C	A092	TO99
73	RC4131DN	30 ♦	40m	15	3.0m	20n	100n	30	3.5M†	24	10kØ		94	1.5	80	07	A092	MP40
74	MC1556G	30	45m		6.0m	2.0n§	30n	24	5.0M†	24	2.0kØ	1.0MtØ	100	2.5 †	80	5C	A100	TO99
75	S5556T	30	45m		6.0m	3.0n	30n	24	5.0M†	24	2.0kØ	1.0MtØ	100	2.5 †	80	5C	A139	CN1g
76	ULS2156D	30	45m		6.0m	5.0n	30n	24	5.0M†	24	2.0kØ	40kt	100	2.5 †	80	5C	A174	TO99
77	ULS2156G	30	45m		6.0m	5.0n	30n	24	5.0M†	24	2.0kØ	40kt	100	2.5 †	80	5C	A172	FP☑
78	ULS2156H	30	45m		6.0m	5.0n	30n	24	5.0M†	24	2.0kØ	40kt	100	2.5 †	80	5C	A173e	MP☑
79	ULS2156M	30	45m		6.0m	5.0n	30n	24	5.0M*	24	2.0kØ	40kt	100	2.5 †	80	5C	A200a	MP☑
80	ULN2173D	30	45m		6.5m	15n	30n	24	10M	20	5.0kØ	3.0kt	94	200m	80	59	A174	TO99
81	ULN2173G	30	45m		6.5m	15n	30n	24	10M	20	5.0kØ	3.0kt	94	200m	80	59	A172	FP☑
82	ULN2173H	30	45m		6.5m	15n	30n	24	10M	20	5.0kØ	3.0kt	94	200m	80	59	A173e	MP☑
83	ULN2173M	30	45m		6.5m	15n	30n	24	10M	20	5.0kØ	3.0kt	94	200m	80	59	A200a	MP☑
84	ULN2174D	30	45m		6.5m	15n	17n	24	10M	20	5.0kØ	3.0kt	94	200m	80	59	A174b	TO99
85	ULN2174G	30	45m		6.5m	15n	17n	24	10M	20	5.0kØ	3.0kt	94	200m	80	59	A172a	FP☑
86	ULN2174H	30	45m		6.5m	15n	17n	24	10M	20	5.0kØ	3.0kt	94	200m	80	59	A173d	MP☑
87	ULN2174M	30	45m		6.5m	15n	17n	24	10M	20	5.0kØ	3.0kt	94	200m	80	59	A200	MP☑
88♦	RM1556AD	30	45m	15u	6.0m	5.0n	30n	24	5.0M†	24	2.0kØ	4.0MtØ	106 †	2.0	80	5C	A100	MP322
89▼	RM1556ADN	30	45m	15u	6.0m	5.0n	30n	24	5.0M†	24	2.0kØ	4.0MtØ	106 †	2.0	80	5C	A100	MP189
90♦	RM1556AT	30	45m	15u	6.0m	5.0n	30n	24	5.0M†	24	2.0kØ	4.0MtØ	106 †	2.0	80	5C	A100	TO99
91♦	RM1556D	30	45m	15u	6.0m	5.0n	30n	24	5.0M†	24	2.0kØ	4.0MtØ	106 †	2.0	80	5C	A100	MP322
92▼	RM1556DN	30	45m	15u	6.0m	5.0n	30n	24	5.0M†	24	2.0kØ	4.0MtØ	106 †	2.0	80	5C	A100	MP189
93♦	RM1556T	30	45m	15u	6.0m	5.0n	30n	24	5.0M†	24	2.0kØ	4.0MtØ	106 †	2.0	80	5C	A100	TO99
94	2404BG	30	55m	25u	10m§	2.0p§†	20p§†	16	10G	20	10kØ		90	2.0	90 †	5C	A022	CN2b
95	RC4131D	30 ♦	57m†	20u	6.0m	30n	200n	30	3.0M†	24	10kØ		94	2.0 †	70	07	A092	MP40
96	RC4131Q	30 ♦	57m†	20u	6.0m	30n	200n	30	3.0M†	24	10kØ		94	2.0 †	70	07	A092	FP2k
97	RC4131T	30 ♦	57m†	20u	6.0m	30n	200n	30	3.0M†	24	10kØ		94	2.0 †	70	07	A092	TO99
98	SN52771U	30	60m		7.0n	5.0n	35n	24	100m†	24	2.0kØ	1.3MtØ	94	2.5 †	80	5C	A185	Δ004AE
99#	M5141T	30	60m†		5.0m§	200n§	500n§		300k	20			94		70	27	A117	TO78
100	LM747D883	30	60m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A042n	MP☑
101	LM747D*	30	60m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A042n	MP☑
102	LM747F	30	60m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A042n	FP☑
103	LM747H883	30	60m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A042n	TO99
104	LM747H*	30	60m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A042n	TO99
105	SN52770J	30	60m		7.0m	5.0n	35n	24	100M†	24	2.0kØ	1.3MtØ	94	2.5 †	80	5C	A184	MP139
106	SN52770L	30	60m		7.0m	5.0n	35n	24	100M†	24	2.0kØ	1.3MtØ	94	2.5 †	80	5C	A184	TO99
107	SN52770N	30	60m		7.0m	5.0n	35n	24	100M†	24	2.0kØ	1.3MtØ	94	1.5 †	80	5C	A184	MP39h
108	SN52770P	30	60m		7.0m	5.0n	35n	24	100M†	24	2.0kØ	1.3MtØ	94	2.5 †	80	5C	A184	MP267
109	SN52770U	30	60m		7.0m	5.0n	35n	24	100M†	24	2.0kØ	1.3MtØ	94	2.5 †	80	5C	A184	Δ004AE
110	SN52771J	30	60m		7.0m	5.0n	35n	24	100M†	24	2.0kØ	1.3MtØ	94	2.5 †	80	5c	A185	MP139

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1	SN52771L	30	60m		7.0m	5.0n	35n	24	100MΩ	24	2.0kØ	1.3MΩ	94	2.5	80	5c	A185	TO99
2	SN52771N	30	60m		7.0m	5.0n	35n	24	100MΩ	24	2.0kØ	1.3MΩ	94	2.5	80	5C	A185	MP39h
3	SN52771P	30	60m		7.0m	5.0n	35n	24	100MΩ	24	2.0kØ	1.3MΩ	94	2.5	80	5C	A185	MP267
4	119K	30	60m	5.0u	Δ	3.0n	35n	20	1.0M	20	40m	1.5MØ	114	6.0	86	05		MP5ab
5♦	monoOP01HJ	30	60m	5.0u	1.0m	4.0n	50n	24		25	5.0kØ	2.5MΩ	94	18	90	07	A174	TO99
6▼	monoOP01HY	30	60m	5.0u	1.0m	4.0n	50n	24		25	5.0kØ	2.5MΩ	94	18	90	07	A173	TO116
7♦	monoOP01J	30	60m	5.0u	1.0m	4.0n	50n	24		25	5.0kØ	2.5MΩ	94	18	90	5C	A174	TO99
8♦	monoOP01L	30	60m	5.0u	1.0m	4.0n	50n	24		25	5.0kØ	2.5MΩ	94	18	90	5C	A172	FP27
9▼	monoOP01Y	30	60m	5.0u	1.0m	4.0n	50n	24		25	5.0kØ	2.5MΩ	94	18	90	5C	A173	TO116
10	9717	30	60m	15u	10m	15p	50p	20	1.0T	20	20m	3.0MØ	110	2.0	100	58		MP6p
11	119A	30	60m	20u	Δ	3.0n	35n	20	1.0M	20	40m	1.5MØ	114	6.0	86	28		MP5ab
12♦	RC1556D	30	60m	20u	14m	14m	40n	22	3.0MΩ	22	2.0kØ	4.0MΩ	100	2.0	70	07	A100	MP322
13♦	RC1556DN	30	60m	20u	14m	14n	40n	22	3.0MΩ	22	2.0kØ	4.0MΩ	100	2.0	70	07	A100	MP189
14♦	RC1556T	30	60m	20u	14m	14n	40n	22	3.0MΩ	22	2.0kØ	4.0MΩ	100	2.0	70	07	A100	TO99
15	LM747CD*	30	68m		7.5m	300n	800n	24	300k	24	10kØ		94		70	07	A042n	MP14r
16	LM747CH*	30	68m		7.5m	300n	800n	24	300k	24	10kØ		94		70	07	A042n	TO99
17	LM747CN*	30	68m		7.5m	300n	800n	24	300k	24	10kØ		94		70	07	A042n	MPØ
18▼	ULS2159D	30	70m		3.5m	15n	75n			24	2.0kØ	400kΩ	100	25	90	5C	A174	TO99
19▼	ULS2159G	30	70m		3.5m	15n	75n			24	2.0kØ	400kΩ	100	25	90	5C	A172	TO91
20▼	ULS2159H	30	70m		3.5m	15n	75n			24	2.0kØ	400kΩ	100	25	90	5C	A173	MP152a
21▼	ULS2159M	30	70m		3.5m	15n	75n			24	2.0kØ	400kΩ	100	25	90	5C	A151	MP48
22#	SFC2709A	30	75m	1.8uΩ	.60mΩ	10nΩ	.10uΩ		700kΩ	28			93		110	5C	A003	TO99
23#	SFC2709AE	30	75m	3.0uΩ	1.0mΩ	50nΩ	200nΩ		400kΩ	28			93	250m	90	07	A003	TO116
24▼	LH0052D	30	75m	5.0u	700u	100p	500p	24	1.0TΩ	20	20m	1.0MΩ	100	1.5	80	5C	A223	MP148
25▼	LH0052H883	30	75m	5.0u	700u	100p	500p	24	1.0TΩ	20	20m	1.0MΩ	100	1.5	80	5C	A223	CN17g
26▼	LH0052H	30	75m	5.0u	700u	100p	500p	24	1.0TΩ	20	20m	1.0MΩ	100	1.5	80	5C	A223	CN17g
27▼	LH0022D	30	75m	10u	5.0m	200p	1.0n	24	1.0TΩ	20	20m	1.0MΩ	100	1.5	80	5C	A223	MP148
28▼	LH0022F	30	75m	10u	5.0m	200p	1.0n	24	1.0TΩ	20	20m	1.0MΩ	100	1.5	80	5C	A223	FP18
29▼	LH0022H	30	75m	10u	5.0m	200p	1.0n	24	1.0TΩ	20	20m	1.0MΩ	100	1.5	80	5C	A223	CN17g
30	SSS747CK*	30	75m	15uΩ	6.0m	50n	150n	24	1.0M	24	10kØ	1.0MΩ	94	1.0	70	07	A178	TO110
31	SSS747CM*	30	75m	15uΩ	6.0m	50n	150n	24	1.0M	24	10kØ	1.0MΩ	94	1.0	70	07	A176	TO86
32	SSS747CP*	30	75m	15uΩ	6.0m	50n	150n	24	1.0M	24	10kØ	1.0MΩ	94	1.0	70	07	A177	TO116
33	SSS747GK*	30	75m	15uΩ	6.0m	50n	150n	24	1.0M	24	10kØ	1.0MΩ	94	1.0	70	5C	A178	TO110
34	SSS747GM*	30	75m	15uΩ	6.0m	50n	150n	24	1.0M	24	10kØ	1.0MΩ	94	1.0	70	5C	A176	TO86
35	SSS747GP*	30	75m	15uΩ	6.0m	50n	150n	24	1.0M	24	10kØ	1.0MΩ	94	1.0	70	5C	A177	TO116
36	SSS1458*	30	75m	15uΩ	6.0m	50n	150n	24	1.0M	24	10kØ	3.0MΩ	94	1.4	70	07	A179	TO99
37	SSS1558*	30	75m	15uΩ	6.0m	50n	150n	24	1.0M	24	10kØ	3.0MΩ	94	1.4	70	5C	A179	TO99
38	HA2-909	30	75m	25u	6.0m	300n	300n	24	300k	22	30m	7.0MΩ	88	2.0	80	5C	A050	TO99
39	HA9-909	30	75m	25u	6.0m	300n	300n	24	300k	22	30m	7.0MΩ	88	2.0	80	5C	A050	TO86
40	HA2-911	30	75m	30u	7.5m	450n	500n	24	300k	24	30m	7.0MΩ	88	1.7	74	07	A050	TO99
41	HA9-911	30	75m	30u	7.5m	450n	500n	24	300k	24	30m	7.0MΩ	88	1.7	74	07	A050	TO86
42#	SFC2709C	30	80m		2.0mΩ	.10uΩ	.30uΩ		250kΩ	28			93		90	07	A003	TO99
43#	SFC2709M	30	80m	3.0uΩ	1.0mΩ	50nΩ	.20uΩ		400kΩ	28			93		90	5C	A003	TO99
44▼	CA6741S	30	84m		5.0m§	200n§	500n§	24		24	10kØ		94		70	5C	A181	
45	CA6741T	30	84m		5.0m§	200n§	500n§	24		24	10kØ		94		70	5C	A181	Δ002AL
46	LM741F	30	84m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A014	FPØ
47	LM741H883	30	84m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A014	TO99
48	LM741H	30	84m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A014	TO99
49#	SFC2741EM	30	84m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m	70	5C	A042k	TO116
50#	SFC2741M	30	84m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m	70	5C	A042k	TO99
51#	SFC2741PM	30	84m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m	70	5C	A042k	TO91
52	LM741CH	30	84m		7.5m	300n	800n	24	300k	24	10kØ		88		70	07	A014	TO99
53	LM741CN	30	84m		7.5m	300n	800n	24	300k	24	10kØ		88		70	07	A014	MPØ
54#	SFC2741C	30	84m		7.5m	300n	800n	24	300k	24	10kØ		86	500m	70	07	A042k	TO99
55#	SFC2741DC	30	84m		7.5m	300n	800n	24	300k	24	10kØ		86	500m	70	07	A042k	MP48
56#	SFC2741EC	30	84m		7.5m	300n	800n	24	300k	24	10kØ		86	500m	70	07	A042k	TO116
57#	SFC2748C	30	84m		7.5m	300n	800n	24	300k	24	10kØ		94	500m	70	07	A112	TO99
58#	SFC2748DC	30	84m		7.5m	300n	800n	24	300k	24	10kØ		94	500m	70	07	A112	MP48
59#	SFC2748M	30	84m		7.5m	300n	800n	24	300k	24	10kØ		94	500m	70	5C	A112	TO99
60#	TBA221B	30	84m		7.5m	300n	800n	24	300k	24	10kØ		88	500n	70	07	A042	MPØ
61	LM748CH	30 ♦	84m	6.0u	6.0m	300n	800n	24	300k	24	10kØ		94		70	07		TO99
62	LM748CN	30 ♦	84m	6.0u	6.0m	300n	800	24	300k	24	10kØ		94		70	07		MPØ
63	LM748H	30 ♦	84m	6.0u	6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C		TO99
64	ICL741CLNPA	30	84m	10uΩ	7.5m	300n	800n	24		24	10kØ	1.0MΩ	83	500m	70	07		
65	ICL741CLNTY	30	84m	10uΩ	7.5m	300n	800n	24		24	10kØ	1.0MΩ	83	500m	70	07		TO99
66	1421-02	30	84m	25u	15m§	5.0p§	10p§	24	1.0T	20	20m	1.0MØ	100	3.0	80	28		TO99
67	1421	30	84m	50u	15m§	25p§	50p§	24	1.0T	20	20m	1.0MØ	100	3.0	72	28		TO99
68	1421-01	30	84m	50u	15m§	10p§	15p§	24	1.0T	20	20m	1.0MØ	100	3.0	72	28		TO99
69	TOA3741F	30	85m					24			10kØ	10k	94	1.0	70	5C		TO99
70	TOA3741J	30	85m					24			10kØ	10k	94	1.0	70	5C		TO99
71	TOA3741V	30	85m					24			10kØ	10k	94	1.0	70	5C		TO99
72▼	ULN2159H	30	85m		6.5n	75n	350n			24	2.0kØ	400kΩ	94	25	80	59	A173	MP152a
73	TOA3748F	30	85m		2.0m	10n	75n	24	1.5M	24	10kØ	10k	94	10	70	5C		TO99
74	TOA3748J	30	85m		2.0m	10n	75n	24	1.5M	24	10kØ	10k	94	10	70	5C		TO99
75	TOA3748V	30	85m		2.0m	10n	75n	24	1.5M	24	10kØ	10k	94	10	70	5C		TO99
76	ULS2158D	30	85m		3.5m	10n	75n	24	1.5M	20	2.0kØ	8.0k	94	500m	85	5C	A174b	TO99
77	ULS2158G	30	85m		3.5m	10n	75n	24	1.5M	20	2.0kØ	8.0k	94	500m	85	5C	A172a	FPØ
78	ULS2158H	30	85m		3.5m	10n	75n	24	1.5M	20	2.0kØ	8.0k	94	500m	85	5C	A173d	MPØ
79	ULS2158M	30	85m		3.5m	10n	75n	24	1.5M	20	2.0kØ	8.0k	94	500m	85	5C	A200	MPØ
80	DPA500	30 ♦	85mΩ		5.0m	200n	500n	24	300k	22	50 Ø	1.0MΩ	94	2.5	70	5C		CN2c
81	ID4741	30	85m		5.0m§Δ	200n§	500n§	24	500k	20	2.0kØ	700kØ	94	600m	70	5C	A042k	
82	MCB1748F	30	85m		5.0m§	200n§	500n§	26	2.0MΩ	24	10kØ		93	800m	90	5C	A148a	TO91
83	MCBC1748	30	85m		5.0m§	200n§	500n§	26	2.0MΩ	24	10kØ		93	800m	90	5C	A148a	FC1a
84	MCC1741	30	85m		5.0m§	200n§	500n§	26	1.0MΩ	24	10kØ		93	800m	90	5C	A014	FC13
85	MCC1748	30	85m		5.0m§	200n§	500n§	26	2.0MΩ	24	10kØ		93	800m	90	5C	A148	FC14
86▼	MCCF1741	30	85m		5.0m§	200n§	500n§	26	1.0MΩ	24	10kØ		94	1.0	90	5C	A042	FC21a
87#	741-12-5B	30	85m		6.0m	500n	1.5u	24	300k	20	2.0kØ	1.0M	94	500m	70	5C	A042k	TO99
88	741BE	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ	1.0MØ	94		70	5C	A014	TO99
89	741BH	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ	1.0MØ	94	500m	70	5C	A014	FPØ
90	841BE	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ	1.0MØ	94	500m	70	5C	A112a	TO99
91	AD741	30	85m		6.0m	200nØ	500n	24	300k	20	2.0kØ		93	500m	70	5C	A042k	TO99
92	AMU5B7741312	30	85m		6.0m	500nØ	1.5uØ	24	300k	24	10kØ		93	500m	70	5C	A159	TO99
93	AMU5B7748312	30	85m		6.0m	500nØ	1.5uØ	24	300k	24	10kØ		93	500m	70	5C	A155	MP151a
94	AMU6A7741312	30	85m		6.0m	500nØ	1.5uØ	24	300k	24	10kØ		93	500m	70	5C	A159	MP151a
95	AMU6A7748312	30	85m		6.0m	500nØ	1.5uØ	24	300k	24	10kØ		93	500m	70	5C	A155	MP151a
96	AMU6W7747312	30	85m		6.0m	500nØ	1.5uØ	24	300k	24	10kØ		93	500m	70	5C	A160	MP151a
97▼	CA3558S*	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m	70	5C	A181a	
98	CA3558T*	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m	70	5C	A181a	Δ002AL
99▼	CA3741L*	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		86	500m	70	5C	A181	FC19
100	CA3741T	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m	70	5c	A181	Δ002AL
101	CA3747E*	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m	70	5c	A181c	Δ001AB
102	CA3747T*	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m	70	5c	A181b	Δ006AF
103▼	CA3748S	30	85m		6.0m	300n	1.5u	24	300k	24	10kØ		94	500m	70	5C		
104	CA3748T	30	85m		6.0m	300n	1.5u	24	300k	24	10kØ		94	500m	70	07		Δ002AL
105	ID4741C	30	85m		6.0m§Δ	200n§	500n§	24	300k	20	2.0kØ	700kØ	86	600m	70	07	A042k	
106#	L147B1	30	85m		6.0m	200n	800n	24	300k	24	2.0kØ	1.0M	94	500m	70	07	A042n	TO116
107#	L148T2	30	85m		6.0m	200n§	500n§	24	300k	20	2.0kØ		94	500m	70	5C	A042q	TO99
108	LTA741	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		87	500m	70	5C		MP255
109	MC1747L	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		86	500m	70	5C	A181c	TO116
110	MC1748G	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ	10	94	800m	70	5C	A148	TO99

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS						MIN. OUTPUT CHAR.@25°C		MIN TRANSFER CHAR @ 25°C				T C E O M D P E	DRAWINGS	
		[1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	OVER OPERATING TEMP. RANGE MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	-+	CKT.	OUT-LINE Δ=MO
1	MCC1741C	30	85m		6.0m§	200n§	500n§	26 †	1.0MT	24	10kØ		86	800mT	90 †	5C	A014	FC13
2	MCC1748C	30	85m		6.0m§	200n§	500n§	26 †	2.0MT	24	10kØ		86	800mT	90 †	5C	A148	FC14
3▼	MCCF1741C	30	85m		6.0m§	200n§	500n§	26 †	1.0MT	24	10kØ		86	1.0 †	90 †	07	A042	FC21a
4	MIC741-1C	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		93	500mT	70	5C		CN1
5	MIC741-1D	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		93	500mT	70	5C		MP14p
6#	MT741	30	85m		6.0m	500nØ	1.5uØ	30	300k	24	10kØ		93	500mT	70	5C	A042m	CN1c
7	RC741DN	30 ♦	85m		6.0m	500n	1.5u	24	1.0MT	24	10kØ		94	500mT	70	07	A042k	MP40
8	RC741DP	30 ♦	85m		6.0m	500n	1.5u	24	1.0MT	24	10kØ		94	500mT	70	07	A042k	MP40
9	RM741D	30 ♦	85m		6.0m	500n	1.5u	24	1.0mT	24	10kØ		94	500mT	70	5C	A042k	MP40
10	RM741Q	30 ♦	85m		6.0m	500n	1.5u	24	1.0mT	24	10kØ		94	500mT	70	5C	A042k	FP2k
11	RM741T	30 ♦	85m		6.0m	500n	1.5u	24	1.0mT	24	10kØ		94	500mT	70	5C	A042k	TO99
12	S5741A	30	85m		6.0m	500n	1.5u	24	300k	20	5.0m	1.0MØ	94	500m	70	5C		TO116
13	S5741V	30	85m		6.0m	500n	1.5u	24	300k	20	5.0m	1.0MØ	94	500m	70	5C		MP216
14	S5748A	30	85m		6.0m	200n	500n	24	300k	20	5.0m	1.0MØ	94			5C		TO116
15	S5748T	30	85m		6.0m	500nØ	1.5uØ	24	300k	20	2.0kØ		93	500mT	70	5C	A042e	CN1g
16	S5748V	30	85m		6.0m	200n	500n	24	300k	20	5.0m	1.0MØ	94			5C		MP216
17	SG741CT	30	85m		6.0m§	200n§	500n§	30	300k			5.0kT	86	500mT	90 †	5C	A042m	TO99
18	SG741T	30	85m		6.0m	500n	1.5u	30	300k	20		5.0kT	94	500mT	90 †	5C	A042m	TO99
19	SG747D	30	85m		6.0m	200n§	500n§	24	300k	20	2.0kØ		94	500mT	70	5C	A042n	MP40
20	SG748T	30	85m		6.0m	200n§	500n§	24	300k	20	2.0kØ		94	500mT	70	5C	A112	TO99
21	SN52741J	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		93	500m	70	5C	A154	MP139
22	SN52741L	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		93	500m	70	5C	A154	TO99
23	SN52741N	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		93	500m	70	5C	A154	MP39h
24	SN52741P	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		93	500m	70	5C	A154	MP161
25	SN52741U	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		93	500m	70	5C	A154	Δ004AE
26	SN52748J	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		93	500m	70	5C	A153	MP139
27	SN52748L	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		93	500m	70	5C	A153	TO99
28	SN52748N	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		93	500m	70	5C	A153	MP39h
29	SN52748P	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		93	500m	70	5C	A153	MP161
30	SN52748U	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		93	500m	70	5C	A153	Δ004AE
31#	TBA222%	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ	1.0M	106	500m	70	5C	A042k	TO99
32	TOA1741F	30	85m		6.0m	.50u	1.5u	24	300k	24	10kØ	10k	94	.50 †	70	5C		TO91
33	TOA1741J	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ	10k	94	500mT	70	5C		TO116
34	TOA1741V	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ	10k	94	500mT	70	5C		TO99
35	TOA1748F	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ	100k	94	5.0 †	70	5C		TO91
36	TOA1748J	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ	100k	94	5.0 †	70	5C		TO116
37	TOA1748V	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ	100k	94	5.0 †	70	5C		TO99
38	TOA7741F	30	85m		6.0m	30n	90n	24	3.0M	24	10kØ	10k	94	1.0 †	70	5C		TO91
39	TOA7741J	30	85m		6.0m	30n	90n	24	3.0M	24	10kØ	10k	94	1.0 †	70	5C		TO116
40	TOA7741V	30	85m		6.0m	30n	90n	24	3.0M	24	10kØ	10k	94	1.0 †	70	5C		TO99
41	TOA7747J*	30	85m		6.0m	30n	90n	24	3.0M	24	10kØ	10k	94	1.0 †	70	5C		TO116
42	TOA7748F	30	85m		6.0m	30n	90n	24	3.0M	24	10kØ	10k	94	10 †	70	5C		TO99
43	TOA7748J	30	85m		6.0m	30n	90n	24	3.0M	24	10kØ	10k	94	10 †	70	5C		TO99
44	TOA7748V	30	85m		6.0m	30n	90n	24	3.0M	24	10kØ	10k	94	10 †	70	5C		TO99
45	uA741-3F-312	30	85m		6.0m	500n	1.5u	24	300k	20	2.0kØ	1.0M	94	500m	70	5C	A042k	TO91
46	uA741-5B-312	30	85m		6.0m	500n	1.5u	24	300k	20	2.0kØ	1.0M	94	500m	70	5C	A042k	TO99
47	uA741-6A-312	30	85m		6.0m	500n	1.5u	24	300k	20	2.0kØ	1.0M	94	500m	70	5C	A042k	MP14v
48	uA747-5F-312*	30	85m		6.0m	200n§	500n§	24	300k	20	2.0kØ	1.0M	94	500mT	70	5C	A042n	TO100
49	uA747-7A-312*	30	85m		6.0m	200n§	500n§	24	300k	20	2.0kØ		94	500mT	70	5C	A042n	MP14v
50	uA748-3F-312	30	85m		6.0m	200n§	500n§	24	300k	20	2.0kØ		94	500mT	70	5C	A112	TO91
51	uA748-5B-312	30	85m		6.0m	200n§	500n§	24	300k	20	2.0kØ		94	500mT	70	5C	A112	TO99
52	uA748-6A-312	30	85m		6.0m	200n§	500n§	24	300k	20	2.0kØ		94	500mT	70	5C	A112	MP14v
53	UC4741D*	30	85m		6.0mΔ	500n	1.5u	24	500k	20	2.0kØ	700kØ	94	600mT	70	5C	A042k	MP40
54	UC4747*	30	85m		6.0mΔ	500n	1.5u	24	500k	20	2.0kØ	700kØ	94	600mT	70	5C	A042k	MP40
55	UC4748	30	85m		6.0mΔ	500n	1.5u	24	500k	20	2.0kØ	700kØ	94	600mT	70	5C		TO99
56	ULS2741C	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		93	500mT	70	5C	A042k	
57	ULS2741D	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		93	500mT	70	5C	A042k	TO78
58#	ZLD741	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		93	500mT	70	5C	A071	CN1j
59	ULN2158D	30	85m		6.5m	50n	350n	24	400k	20	2.0kØ	6.0k	88	400m	75	59	A174b	TO99
60	ULN2158G	30	85m		6.5m	50n	350n	24	400k	20	2.0kØ	6.0k	88	400m	75	59	A172a	FPØ
61	ULN2158H	30	85m		6.5m	50n	350n	24	400k	20	2.0kØ	6.0k	88	400m	75	59	A173d	MPØ
62	ULN2158M	30	85m		6.5m	50n	350n	24	400k	20	2.0kØ	6.0k	88	400m	75	59	A200	MPØ
63▼	ULN2159D	30	85m		6.5m	75n	350n			24	2.0kØ	400kT	94	25 †	80	59	A174	TO99
64▼	ULN2159G	30	85m		6.5m	75n	350n			24	2.0kØ	400kT	94	25 †	80	59	A172	TO91
65▼	ULN2159M	30	85m		6.5m	75n	350n			24	2.0kØ	400kT	94	25 †	80	59	A151	MP48
66#	741-93-5B	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ	1.0M	86	500mT	70	07	A042k	TO99
67	741CE	30	85m		7.5m	300n	800n	24	300k	24	10kØ	1.0MØ	94		70	0A	A014	TO99
68	741CH	30	85m		7.5m	300n	800n	24	300k	24	10kØ	1.0MØ	94	500mT	70	0A	A014	FPØ
69	741CJ	30	85m		7.5m	300n	800n	24	300k	24	10kØ	1.0MØ	94		70	0A	A014	MP147
70	AD741C	30	85m		7.5m	200nØ	500n	24	300k	20	2.0kØ		86	500mT		07	A042k	TO99
71	AMU5B7741393	30	85m		7.5m	300nØ	800nØ	24	300k	24	10kØ		86	500mT	70	07	A159	TO99
72	AMU5B7748393	30	85m		7.5m	300nØ	800nØ	24	300k	24	10kØ		93	500mT	70	07	A155	MP151a
73	AMU6A7741393	30	85m		7.5m	300nØ	800nØ	24	300k	24	10kØ		86	500mT	70	07	A159	MP151a
74	AMU6A7748393	30	85m		7.5m	300nØ	800nØ	24	300k	24	10kØ		93	500mT	70	07	A155	MP151a
75	AMU6W7747393	30	85m		7.5m	300nØ	800nØ	24	300k	24	10kØ		93	500mT	70	07	A160	MP151a
76	CA3458T*	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mT	70	07	A181a	Δ002AL
77▼	CA3741CH*	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mT	70	5C	A181	FC16y
78▼	CA3741CS*	30	85m		7.5m	300n	800n	24	300k	24	10kØ		94	500mT	70	5C	A181	
79	CA3741CT	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mT	70	07	A181	Δ002AL
80	CA3747CE*	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mT	70	07	A181c	Δ001AB
81▼	CA3747CF*	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mT	70	5C	A181c	Δ001AB
82▼	CA3747CH*	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mT	70	5C	A181c	FC16z
83	CA3747CT*	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mT	70	07	A181b	Δ002AF
84▼	CA3748CH	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mT	70	5C	A148a	FC16y
85▼	CA3748CS	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mT	70	5C	A148a	
86	CA3748CT	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mT	70	5C	A148a	Δ002AL
87	ICB8008C	30	85m		7.5m	30n	90n	24	1.0M	24	10kØ		86	500mT	70	07	A014	TO99
88	ICB8741C	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mT	70	07	A014	TO99
89#	L141B1	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ	1.0M	86	500m	70	07	A042k	MP39
90#	L148T1	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		88	500mT	70	07	A112	TO99
91	LTA741C	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mT	70	07		MP255
92	MC1747CL	30	85m		7.5m	300n	800n	24	300k	24	10kØ		80	500m	70	07	A181c	TO116
93	MC1748CG	30	85m		7.5m	300n	800n	24	300k	24	10kØ	10	86	800mT	70	07	A148	TO99
94	MIC741-5C	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mT	70	07		CN1
95	MIC741-5D	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mT	70	07		MP14p
96#	MT741C	30	85m		7.5m	300n	800n	30	300k	20	2.0kØ		86	500mT	70	07	A042m	CN1c
97	N5741A	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		86	500mT	70	07	A042k	MP153
98	N5741T	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		86	500mT	70	07	A042k	CN1g
99	N5741V	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		86	500mT	70	07	A042k	MP216
100	N5748A	30	85m		7.5m	300nØ	800nØ	24	300k	20	2.0kØ		93	500mT	70	07	A112b	MP153
101	N5748T	30	85m		7.5m	300nØ	800nØ	24	300k	20	2.0kØ		93	500mT	70	07	A112b	CN1g
102	N5748V	30	85m		7.5m	300nØ	800nØ	24	300k	20	2.0kØ		93	500mT	70	07	A112b	MP216
103	RC741D	30 ♦	85m		7.5m	300n	800n	24	1.0mT	24	10kØ		86	500mT	70	07	A042k	MP40
104	RC741Q	30 ♦	85m		7.5m	300n	800n	24	1.0mT	24	10kØ		86	500mT	70	07	A042k	FP2k
105	RC741T	30 ♦	85m		7.5m	300n	800n	24	1.0mT	24	10kØ		86	500mT	70	07	A042k	TO99
106	RC748D	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		88	500mT	70	07	A112	MP40
107	RC748DN	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		86	500mT	70	07	A112	MP40
108	RC748DP	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		86	500mT	70	07	A112	MP40
109	RC748Q	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		88	500mT	70	07	A112	FP2k
110	RC748T	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		88	500mT	70	07	A112	TO99

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1	RM748D	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		88	500mt	70	5C	A112	MP40
2	RM748Q	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		88	500mt	70	5C	A112	FP2k
3	RM748T	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		88	500mt	70	5C	A112	TO99
4#	SFC2741DT	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mt	70	28	A042k	MP48
5#	SFC2741PC	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mt	70	07	A042k	TO91
6	SG741CM	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ	1.0M	86	500m	70	07	A042k	MP189a
7	SG741CN	30	85m		7.5m	300n	800n	30	300k	20		5.0kt	86	500mt	70	07	A042m	MP39a
8	SG747CD	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		94	500mt	70	07	A042n	TO116
9	SG748CM	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		86	500m	70	07	A112	MP189a
10	SG748CT	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		86	500mt	70	07	A112	TO99
11	SN72741J	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m	70	07	A154	MP139
12	SN72741L	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m	70	07	A154	TO99
13	SN72741N	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m	70	07	A154	MP39h
14	SN72741P	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m	70	07	A154	MP161
15	SN72741U	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m	70	07	A154	Δ004AE
16	SN72748J	30	85m		7.5m	300n	800n	24	300k	24	10kØ		93	500m	70	07	A153	MP139
17	SN72748L	30	85m		7.5m	300n	800n	24	300k	24	10kØ		93	500m	70	07	A153	TO99
18	SN72748N	30	85m		7.5m	300n	800n	24	300k	24	10kØ		93	500m	70	07	A153	MP39h
19	SN72748P	30	85m		7.5m	300n	800n	24	300k	24	10kØ		93	500m	70	07	A153	MP161
20	SN72748U	30	85m		7.5m	300n	800n	24	300k	24	10kØ		93	500m	70	07	A153	Δ004AE
21#	TBA221%	30	85m		7.5m	300n	800n	24	300k	24	10kØ	1.0M	86	500m	70	07	A042k	TO99
22	TOA2741F	30	85m		7.5m	.30u	.80u	24	300k	24	10kØ	10k	86	.50 t	70	07		TO91
23	TOA2741V	30	85m		7.5m	300n	800n	24	300k	24	10kØ	10k	86	500mt	70	07		TO99
24	TOA2748F	30	85m		7.5m	300n	800n	24	300k	24	10kØ	100k	94	5.0 t	70	07		TO91
25	TOA2748J	30	85m		7.5m	300n	800n	24	300k	24	10kØ	100k	94	5.0 t	70	07		TO116
26	TOA2748V	30	85m		7.5m	300n	800n	24	300k	24	10kØ	100k	94	5.0 t	70	07		TO99
27	TOA8741F	30	85m		7.5m	30n	90n	24	1.0M	24	10kØ	10k	94	1.0 t	70	07		TO99
28	TOA8741V	30	85m		7.5m	30n	90n	24	1.0M	24	10kØ	10k	94	1.0 t	70	07		TO99
29	TOA8747J*	30	85m		7.5m	30n	90n	24	1.0M	24	10kØ	10k	94	1.0 t	70	07		TO116
30	TOA8748F	30	85m		7.5m	30n	90n	24	1.0M	24	10kØ	10k	94	10 t	70	07		TO99
31	TOA8748J	30	85m		7.5m	30n	90n	24	1.0M	24	10kØ	10k	94	10 t	70	07		TO99
32	TOA8748V	30	85m		7.5m	30n	90n	24	1.0M	24	10kØ	10k	94	10 t	70	07		TO99
33	TRI741C*	30	85m		7.5m	300n	800n	24	300	20	2.0kØ	1.0M	86	500m	70	07	A149	TO86
34	uA741-5B-393	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ	1.0M	86	500m	70	07	A042k	TO99
35	uA741-6A-393	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ	1.0M	86	500m	70	07	A042k	MP14v
36	uA741-9A-393	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mt	70	07	A042k	MP39d
37	uA741-9T-393	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ	1.0M	86	500m	70	07	A042k	MP14v
38	uA747-5F-393*	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		94	500mt	70	07	A042n	TO100
39	uA747-7A-393*	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		88	500mt	70	07	A042n	MP14x
40	uA748-5B-393	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		88	500mt	70	07	A112	TO99
41	uA748-6A-393	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		86	500mt	70	07	A112	MP14v
42	uA748-9T-393	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		86	500mt	70	07	A112	MP48a
43	UC4741CD*	30	85m		7.5mΔ	300n	800n	24	300k	20	2.0kØ	700kØ	86	600mt	70	07	A042k	MP40
44	UC4741CE	30	85m		7.5mΔ	300n	800n	24	300k	20	2.0kØ	700ktØ	86	500mt	70	07	A042k	MP236
45	UC4747C*	30	85m		7.5mΔ	300n	800n	24	300k	20	2.0kØ	700kØ	86	600mt	70	07	A042n	MP40
46	UC4748C	30	85m		7.5mΔ	300n	800n	24	300k	20	2.0kØ	700kØ	86	600mt	70	07		TO99
47	ULN2741D	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mt	70	07	A042k	CN11b
48	ULN2747A*	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mt	70	07	A042n	MP14w
49#	ZLD741C	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mt	70	07	A071	CN1j
50#	ZLD741CE	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500mt	70	07		TO116
51	741DE	30	85m		15m	600n	1.5u	20	50k	20	5.0kØ	1.0MØ	80	500mt	70	07	A014	TO99
52	741DJ	30	85m		15m	600n	1.5u	20	50k	20	5.0kØ	1.0MØ	80	500mt	70	07	A014	MP147
53	ULS2151D	30	85m	3.0ust	5.0m	15n	75n	24	1.5M	20	2.0kØ	8.0k	94	500m	85	5C	A174	TO99
54	ULS2151G	30	85m	3.0ust	5.0m	15n	75n	24	1.5M	20	2.0kØ	8.0k	94	500m	85	5C	A172	FP☑
55	ULS2151H	30	85m	3.0ust	5.0m	15n	75n	24	1.5M	20	2.0kØ	8.0k	94	500m	85	5C	A173e	MP☑
56	ULS2151M	30	85m	3.0ust	5.0m	15n	75n	24	1.5M	20	2.0kØ	8.0k	94	500m	85	5C	A200a	MP☑
57	ULS2157A*	30	85m	3.0ust	5.0m	15n	75n	24	1.5M	20	2.0kØ	8.0k	94	500m	85	5C	A177	MP14w
58	ULS2157H*	30	85m	3.0ust	5.0m	15n	75n	24	1.5M	20	2.0kØ	8.0k	94	500m	85	5C	A177	MP☑
59♦	ULS2157K*	30	85m	3.0ust	5.0m	15n	75n	24	1.5M	20	2.0kØ	8.0k	94	500m	85	5C	A178	CN☑
60	LA741F	30	85m	3.0ut	6.0m	500n☑	1.5u☑	24	300k	20	2.0kØ	1.0MØ	93	500m	70	5C	A042	TO91
61	LA741H	30	85m	3.0ut	6.0m	500n☑	1.5u☑	24	300k	20	2.0kØ	1.0MØ	93	500m	70	5C	A042	TO99
62	LA748H	30	85m	3.0ut	6.0m	500n	1.5u	24	300k	20	2.0kØ	800kØ	94	500mt	70	5C	A112	CN1a
63	MCB1741F	30	85m	3.0ut	6.0m	500n	1.5u☑	24	300k	24	10kØ	10kt	93	800mt	70	5C	A014	FP21
64	MCBC1741	30	85m	3.0ut	6.0m	500n	1.5u☑	24	300k	24	10kØ	10kt	93	800mt	70	5C	A014	FC2
65	LA741CH	30	85m	3.0ut	7.5m	300n	800n	24	300k	20	2.0kØ	1.0MØ	83	500m	70	07	A042	TO99
66	LA741CN	30	85m	3.0ut	7.5m	300n	800n	24	300k	20	2.0kØ	1.0MØ	83	500m	70	07	A042	MP☑
67	LA748CH	30	85m	3.0ut	7.5m	300n	800n	24	300k	20	2.0kØ	800kØ	86	500mt	70	07	A042	CN1a
68	UC4741	30	85m	5.0ut	6.0mΔ	500n	1.5u	24	300k	24	10kØ	700ktØ	94	500mt	70	5C	A042k	TO99
69	UC4741C	30	85m	5.0ut	7.5mΔ	300n	800n	24	300k	24	10kØ	700ktØ	86	500mt	70	07	A042k	TO99
70	748-12-5B	30	85m	6.0ut	6.0m	200n§	500n§	24	300k	20	2.0kØ	2.0MtØ	94	500mt	70	5C	A112	TO99
71	MC1741F	30	85m	6.0ut	6.0m	500n	500n§	24	300k	24	10kØ	10	94	1.0 t	70	5C	A014	TO91
72	MC1741G	30	85m	6.0ut	6.0m	500n	500n§	24	300k	24	10kØ	10	94	1.0 t	70	5C	A014	TO99
73	MC1741L	30	85m	6.0ut	6.0m	500n	500n§	24	300k	24	10kØ	10	94	1.0 t	70	5C	A014	MP139a
74	MC1741P	30	85m	6.0ut	6.0m	500n	1.5u☑	24	300k	24	10kØ		93	1.0 t	70	5C	A014	MP25a
75	ULN2151D	30	85m	6.0ust	6.5m	50n	350n	22	400k	20	2.0kØ	6.0k	88	400m	75	59	A174	TO99
76	ULN2151G	30	85m	6.0ust	6.5m	50n	350n	22	400k	20	2.0kØ	6.0k	88	400m	75	59	A172	FP☑
77	ULN2151H	30	85m	6.0ust	6.5m	50n	350n	22	400k	20	2.0kØ	6.0k	88	400m	75	59	A173e	MP☑
78	ULN2151M	30	85m	6.0ust	6.5m	50n	350n	22	400k	20	2.0kØ	6.0k	88	400m	75	59	A200a	MP☑
79	ULN2157A*	30	85m	6.0ust	6.5m	50n	350n	22	400k	20	2.0kØ	6.0k	88	400m	75	59	A177	MP14w
80	ULN2157H*	30	85m	6.0ust	6.5m	50n	350n	22	400k	20	2.0kØ	6.0k	88	400m	75	59	A177	MP☑
81♦	ULN2157K*	30	85m	6.0ust	6.5m	50n	350n	22	400k	20	2.0kØ	6.0k	88	400m	75	59	A178	CN☑
82#	741-93-6T	30	85m	6.0ut	7.5m	300n	800n	24	300k	20	2.0kØ	2.0MtØ	86	500mt	70	07	A042k	
83	748-93-5B	30	85m	6.0ut	7.5m	300n	800n	24	300k	20	2.0kØ	2.0MtØ	88	500mt	70	07	A112	TO99
84	748-93-6T	30	85m	6.0ut	7.5m	300n	800n	24	300k	20	2.0kØ	2.0MØ	88	500mt	70	07	A112	
85	HEPC6052P-RT	30	85m	6.0ut	7.5m	300n	800n☑	24	1.0Mt	24			86	800m	70	5C	A014	MP161
86	MC1741CF	30	85m	6.0ut	7.5m	300n	500n§	24	300k	24	10kØ	10	86	1.0 t	70	07	A014	TO91
87	MC1741CG	30	85m	6.0ut	7.5m	300n	500n§	24	300k	24	10kØ	10	86	1.0 t	70	07	A014	TO99
88	MC1741CL	30	85m	6.0ut	7.5m	300n	500n§	24	300k	24	10kØ	10	86	1.0 t	70	07	A014	MP139a
89	MC1741CP1	30	85m	6.0ut	7.5m	300n	500n§	24	300k	24	10kØ	10	86	1.0 t	70	07	A014	MP161
90	MC1741CP2	30	85m	6.0ut	7.5m	300n	500n§	24	300k	24	10kØ	10	86	1.0 t	70	07	A014	MP25c
91#	TL741C	30	85m	6.0ut	7.5m	300n	800n	24	300k	24	10kØ	10	86	800mt	70	07	A014	TO99
92#	TL3741C	30	85m	6.0ut	7.5m	300n	800n	24	300k	24	10kØ	10	86	800mt	70	07	A014	MP39f
93	TOA2741J	30	85m	6.0ut	7.5m	300n	800n	24	300k	24	10kØ	10k	86	500mt	70	07		TO116
94	TOA8741J	30	85m	6.0ut	7.5m	30n	90n	24	1.0M	24	10kØ	10k	94	1.0 t	70	07		TO116
95	ICL8008MTY	30	85m	7.0ut	6.0m	30n	50n	20	5.0M	24	10kØ	2.0MtØ	86	500mt	70	5c	A014	TO99
96	AD741K	30	85m	15u	3.0m	15n☑	120n☑	24	2.0M	20	2.0kØ		93	500mt	90	07	A042k	TO99
97	SG777D	30	85m	15u	3.0m	10n	75n	24	2.0M	24	10kØ	80 t	94	500m	80	5C		TO116
98	SG777F	30	85m	15u	3.0m	10n	75n	24	2.0M	24	10kØ	80 t	94	500m	80	5C		TO91
99	SG777T	30	85m	15u	3.0m	10n	75n	24	2.0M	24	10kØ	80 t	94	500mt	80	5C		TO99
100	uA777-3F-312	30	85m	15u	3.0m	10n	75n	24	2.0M	24	10kØ	80 t	94	500mt	80	5C	A186	TO91
101	uA777-5B-312	30	85m	15u	3.0m	10n	75n	24	2.0M	24	10kØ	80 t	94	500mt	80	5C	A186a	TO99
102	uA777-6A-312	30	85m	15u	3.0m	10n	75n	24	2.0M	24	10kØ	80 t	94	500mt	80	5C	A186b	MP14v
103	SSS741GJ	30	85m	15ut	6.0m	50n	200n	24	1.0M	24	10kØ	3.0MtØ	94	1.4 t	70	5c	A174	TO99
104	SSS741GL	30	85m	15ut	6.0m	50n	200n	24	1.0M	24	10kØ	3.0MtØ	94	1.4 t	70	5c	A172	TO91
105	SSS741GP	30	85m	15ut	6.0m	50n	200n	24	1.0M	24	10kØ	3.0MtØ	94	1.4 t	70	5c	A173	TO116
106	SSS841CJ	30	85m	15ut	6.0m	50n	200n	24	1.0M	24	10kØ	700ktØ	94	350mt	70	07		TO99
107	SSS841CP	30	85m	15ut	6.0m	50n	200n	24	1.0M	24	10kØ	700ktØ	94	350mt	70	07		TO116
108	SSS841GJ	30	85m	15ut	6.0m	50n	200n	24	1.0M	24	10kØ	700ktØ	94	350mt	70	5C		TO99
109	SSS841GL	30	85m	15ut	6.0m	50n	200n	24	1.0M	24	10kØ	700ktØ	94	350mt	70	5C		TO91
110	SSS841GP	30	85m	15ut	6.0m	50n	200n	24	1.0M	24	10kØ	700ktØ	94	350mt	70	5C		TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C M P	D E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	ICL8008CPA	30	85m	15u†	7.5m	30n	50n	24	5.0M	24	10kØ	2.0M†Ø	86	500m†	70	07		A014	MP236
2	ICL8008CTY	30	85m	15u†	7.5m	30n	50n	24	5.0M	24	10kØ	2.0M†Ø	86	500m†	70	07		A014	TO99
3	SSS741CJ	30	85m	15u†	7.5m	50n	200n	24	1.0M	24	10kØ	3.0M†Ø	86	1.4 †	70	07		A174	TO99
4	SSS741CL	30	85m	15u†	7.5m	50n	200n	24	1.0M	24	10kØ	3.0M†Ø	86	1.4 †	70	07		A172	TO91
5	SSS741CP	30	85m	15u†	7.5m	50n	200n	24	1.0M	24	10kØ	3.0M†Ø	86	1.4 †	70	07		A173	TO116
6▼	LH0022CD	30	85m	15u	10m	200p	1.0n	24	1.0T†	20	20m	1.0M†Ø	97	1.0	70	28		A223	MP148
7▼	LH0022CF	30	85m	15u	10m	200p	1.0n	24	1.0T†	20	20m	1.0M†Ø	97	1.0	70	28		A223	FP18
8▼	LH0022CH	30	85m	15u	10m	200p	1.0n	24	1.0T†	20	20m	1.0M†Ø	97	1.0	70	28		A223	CN17g
9	AD502K	30	85m	20u	6.0m	8.0nØ	15nØ	24	20M	20	2.0kØ		86	1.0 †	70	07		A190	TO99
10	SG777CD	30	85m	30u	5.0m	40n	200n	24	1.0M	24	10kØ	80 †	88	500m	70	07			TO116
11	SG777CF	30	85m	30u	5.0m	40n	200n	24	1.0M	24	10kØ	80 †	88	500m	70	07			TO91
12	SG777CT	30	85m	30u	5.0m	40n	200n	24	1.0M	24	10kØ	80 †	88	500m	70	07			TO99
13	uA777-5B-393	30	85m	30u	5.0m	40n	200n	24	1.0M	24	10kØ	80 †	88	500m†	70	07		A186a	TO99
14	uA777-6A-393	30	85m	30u	5.0m	40n	200n	24	1.0M	24	10kØ	80 †	88	500m†	70	07		A186b	MP14v
15	uA777-9A-393	30	85m	30u	5.0m	40n	200n	24	1.0M	24	10kØ	80 †	88	500m†	70	07		A186b	MP39d
16	uA777-9T-393	30	85m	30u	5.0m	40n	200n	24	1.0M	24	10kØ	80 †	88	500m†	70	07		A186a	MP48a
17	AD502J	30	85m	40u	7.5m	24nØ	50nØ	24	5.0M	20	2.0kØ		86	1.0 †	70	07		A190	TO99
18	841CE	30	88m		7.5m	300n	800n	24	300k	24	10kØ	1.0MØ	94	500m†	70	0A		A112a	TO99
19	ZA801D1	30	90m†				25p	30	100G†	20	7.0m	4.0MØ	100	6.0	80	28			MP58
20	ULS2172D	30	90m		3.5m	17n	40n	24	8.0M	20	2.0kØ	15k	94	1.0	85	5C		A174b	TO99
21	ULS2172G	30	90m		3.5m	17n	40n	24	8.0M	20	2.0kØ	15k	94	1.0	85	5C		A172a	FPØ
22	ULS2172H	30	90m		3.5m	17n	40n	24	8.0M	20	2.0kØ	15k	94	1.0	85	5C		A173d	MPØ
23	ULS2172M	30	90m		3.5m	17n	40n	24	8.0M	20	2.0kØ	15k	94	1.0	85	5C		A200	MPØ
24▼	CA3078AH	30 ♦	90m		4.5m	5.5n	55n	11 §†	1.7M†	26	10kØ	2.0k†	92	40m†	80	5C		Z122	FC16s
25▼	CA3078AS	30 ♦	90m		4.5m	5.5n	55n	11 §†	1.7M†	26	10kØ	2.0k†	92	40m†	80	5C		Z122	
26	CA3078AT	30 ♦	90m		4.5m	5.5n	55n	11 §†	1.7M†	26	10kØ	2.0k†	92	40m†	80	5C		Z122	Δ002AL
27	ULS2171D	30	90m		5.0m	17n	40n	24	8.0M	20	2.0kØ	15k	94	1.0	85	5C		A174	TO99
28	ULS2171G	30	90m		5.0m	17n	40n	24	8.0M	20	2.0kØ	15k	94	1.0	85	5C		A172	FPØ
29	ULS2171H	30	90m		5.0m	17n	40n	24	8.0M	20	2.0kØ	15k	94	1.0	85	5C		A173e	MPØ
30	ULS2171M	30	90m		5.0m	17n	40n	24	8.0M	20	2.0kØ	15k	94	1.0	85	5C		A200a	MPØ
31	ID4301A	30	90m		7.5mΔ	50n§	250n§	24	500k†	20	10m	500kØ	88	400m†	70	07		A090	
32	MLM301AP1	30	90m		10m	70n	300n	30 Δ	500k	24	10kØ		86		70	07		A171	MP161
33	MC1456G	30	90m		14m	10n§	40n	22	3.0M†	22	2.0kØ	1.0M†Ø	96	2.5 †	70	07		A100	TO99
34	N5556T	30	90m		14m	14n	40n	22	3.0M†	22	2.0kØ	1.0M†Ø	96	2.5 †	70	07		A139	CN1g
35	N5556V	30	90m		14m	14n	40n	22	3.0M†	22	2.0kØ	1.0M†Ø	96	2.5 †	70	07		A139	MP216
36	ULN2156D	30	90m		14m	14n	40n	22	3.0M†	22	2.0kØ	40k†	97	2.5 †	70	29		A174	TO99
37	ULN2156G	30	90m		14m	14n	40n	22	3.0M†	22	2.0kØ	40k†	97	2.5 †	70	29		A172	FPØ
38	ULN2156H	30	90m		14m	14n	40n	22	3.0M†	22	2.0kØ	40k†	97	2.5 †	70	29		A173e	MPØ
39	ULN2156M	30	90m		14m	14n	40n	22	3.0M†	22	2.0kØ	40k†	97	2.5 †	70	29		A200a	MPØ
40	A241	30	90m†	50nØ	10u§Δ		15p§	SE	400k†	20	20m	1.0M†Ø	140	500m		28		A053b	MP5aw
41	A240	30	90m†	100nØ	10u§Δ		30p§	SE	400k†	20	20m	1.0M†Ø	140	500m		28		A053b	MP5aw
42	1701	30	90m	250n	15u§		50p§		500k	24	10m	1.0MØ	140	1.2		28			MP172
43	1412	30	90m	500n	25u§		100p§		1.0M	24	10m	500kØ	140	1.2		28			MP163
44	3500E	30	90m	1.0u	500u§	30n§	50n§	22	10M†	20	20m	1.5MØ	100	1.0	100 †	28			TO99
45	AD504LH	30	90m	1.0u	500u	10n	50n	20		24	5.0m	300k	120	120m	110	07			TO99
46	ZA903M2	30	90m†	1.0u	500uΔ		10p	30	100G†	20	7.0m	4.0MØ	100	6.0	88	06			MP5cd
47	007A3	30	90m	2.0u	200u§	20n§	150n§	20	500k†	20	10m	2.0MØ†	88	1.0	94	58			FP1
48	007A4	30	90m	3.0u	200u§	20n§	150n§	20	500k†	20	10m	2.0MØ†	88	1.0	94	58			FP1
49	3003-15	30	90m	3.0u	400u§		10n§	20	500k†	20	40m	1.2MØ	104	1.2	80 †	28			MP287a
50	9814	30	90m†	3.0u	500uΔ	4.0n	40n	20	2.0M	20 †	1.0kØ	700k§†	110	300m†	40	58			MP5bk
51	ZA903M1	30	90m†	3.0u	500uΔ		10p	30	100G†	20	7.0m	4.0MØ	100	6.0	88	06			MP5cd
52	3500C	30	90m	3.0u	1.0m§	7.0n†§	15n§	22	10M†	20	20m	1.5M†Ø	93	1.0	100 †	28			TO99
53	3500CN	30	90m	3.0u	1.0m§	7.0n†§	15n§	22	10M†	20	20m	1.5M†Ø	93	1.0	100 †	28			MP48b
54	AD504KH	30	90m	3.0u	1.5m	15n	150n	20		24	5.0m	300k	114	120m	100	07			TO99
55▼	ZA801M3	30	90m†	5.0u			25p	30	100G†	20	7.0m	4.0MØ	100	6.0	80	28			MP5bf
56	207A	30	90m	5.0u	200u§	20n§	150n§	20	500k†	20	10m	2.0MØ†	88	1.0	94	5C			CN2
57	3004-15	30	90m	5.0u	500u§		10n§	20	500k†	20	10m	1.2MØ	104	1.2	80 †	28			MP287a
58	1426-03	30	90m	5.0u	1.0m§	5.0p§†	25p§	20	100G†	20	10m	1.0MØ	100	3.0	80	28			TO99
59	3500T	30	90m	5.0u	1.0m§	7.0n†§	15n§	22	10M†	20	20m	1.5M†Ø	93	1.0	100 †	5C			TO99
60	3500B	30	90m	5.0u	2.0m§	10n†§	20n§	22	10M†	20	20m	1.5M†Ø	93	1.0	100 †	28			TO99
61	3500BN	30	90m	5.0u	2.0m§	10n†§	20n§	22	10M†	20	20m	1.5M†Ø	93	1.0	100 †	28			MP48b
62▼	LM301N	30	90m	6.0u†	6.0m	500n	1.5u	30	300k	24	10kØ		94	200m†	70	07		A012	MP189
63	N5201A	30 ♦	90m	6.0u†	10m	500n§	2.0u	24	100k†	28	10kØ		86		65	07			MP153
64	N5201T	30 ♦	90m	6.0u†	10m	500n§	2.0u	24	100k†	28	10kØ		86		65	07			CN1g
65	N5201V	30 ♦	90m	6.0u†	10m	500n§	2.0u	24	100k†	28	10kØ		86		65	07			MP216
66▼	monoOP01EJ	30	90m	8.0u	3.0m	10n	100n	24	4.0M	25	5.0kØ	2.5M†Ø	94	18 †	80	07		A174	TO99
67▼	monoOP01EY	30	90m	8.0u	3.0m	10n	100n	24	4.0M	25	5.0kØ	2.5M†Ø	94	18 †	80	07		A173	TO116
68▼	monoOP01FJ	30	90m	8.0u	3.0m	10n	100n	24	4.0M	25	5.0kØ	2.5M†Ø	94	18 †	80	5C		A174	TO99
69▼	monoOP01FL	30	90m	8.0u	3.0m	10n	100n	24	4.0M	25	5.0kØ	2.5M†Ø	94	18 †	80	5C		A172	FP27
70▼	monoOP01FY	30	90m	8.0u	3.0m	10n	100n	24	4.0M	25	5.0kØ	2.5M†Ø	94	18 †	80	5C		A173	TO116
71	1425-02	30	90m	10u	1.0m§	2.0p§†	5.0p§	20	1.0T†	20	10m	1.0MØ	100	3.0	80	28			TO99
72	1426-02	30	90m	10u	1.0m§	5.0p§†	25p§	20	100G†	20	10m	1.0MØ	100	3.0	80	28			TO99
73▼	LH0052CD	30	90m	10u	1.0m	100p	500p	24	1.0T†	20	20m	1.0M†Ø	98	1.0	76	28		A223	MP148
74▼	LH0052CH	30	90m	10u	1.0m	100p	500p	24	1.0T†	20	20m	1.0M†Ø	98	1.0	76	28		A223	CN17g
75	3500S	30	90m	10u	2.0m§	10n†§	20n§	22	10M†	20	20m	1.5M†Ø	93	1.0	100 †	5C			TO99
76♦	monoOP01CJ	30	90m	10u	6.0m	40n	200n	24		25	5.0kØ	2.5M†Ø	88	18 †	80	07		A174	TO99
77▼	monoOP01CY	30	90m	10u	6.0m	40n	200n	24		25	5.0kØ	2.5M†Ø	88	18 †	80	07		A173	TO116
78♦	monoOP01GJ	30	90m	10u	6.0m	40n	200n	24		25	5.0kØ	2.5M†Ø	88	18 †	80	5C		A174	TO99
79♦	monoOP01GL	30	90m	10u	6.0m	40n	200n	24		25	5.0kØ	2.5M†Ø	88	18 †	80	5C		A172	FP27
80▼	monoOP01GY	30	90m	10u	6.0m	40n	200n	24		25	5.0kØ	2.5M†Ø	88	18 †	80	5C		A173	TO116
81▼	LM301D	30 ♦	90m	10u†	10m	750n	2.0u	24	150k	24	10kØ	100	83		65	07		A012	MP322
82▼	LM301F	30 ♦	90m	10u†	10m	750n	2.0u	24	150k	24	10kØ	100	83		65	07		A012	FP2n
83▼	LM301H	30 ♦	90m	10u†	10m	750n	2.0u	24	150k	24	10kØ	100	83		65	07		A012	TO99
84	1319-01	30	90m	15u	2.0m§	5.0n§	50n§	24	500k	20	10m	1.0MØ†	94	600m†	100 †	5C			TO99
85	AD101AH	30	90m	15u	2.0m	10n	75n	24		24						5C		A134	TO99
86	AD201AH	30	90m	15u	2.0m	10n	75n	24		24						28		A134	TO99
87▼	LH2101AD	30	90m	15u	3.0m	20n	100n	24	1.5M	24	10kØ	10 †	88	500m†	80	5C		A220	MP230a
88▼	LH2101AF	30	90m	15u	3.0m	20n	100n	24	1.5M	24	10kØ	10 †	88	500m†	80	5C		A220	FP28
89	2709CG	30	90m†	15u†§	4.0m†	10p§†	20p§†	16	100M	20	2.0mØ		84		70 †	0A			CNØ
90	SSS307J	30	90m	15u†	7.5m	50n	200n	30	1.0M	24	10kØ	1.0M†Ø	88	500m†	70	07			TO99
91	SSS307P	30	90m	15u†	7.5m	50n	200n	30	1.0M	24	10kØ	1.0M†Ø	88	500m†	70	07			TO116
92	RC709DN	30	90m	16u	2.0m	250n	600n	16	700k†	24	10kØ		88	200m	80	07		A003	MP40
93	RC709DP	30	90m	16u	2.0m	250n	600n	16	700k†	24	10kØ		88	200m	80	07		A003	MP40
94	RM709AD	30 ♦	90m	16u	2.0m	250n	600n	16	700k†	24	10kØ		88	200m	80	5C		A003	MP40
95	RM709AQ	30 ♦	90m	16u	2.0m	250n	600n	16	700k†	24	10kØ		88	200m	80	5C		A003	FP2k
96	RM709AT	30 ♦	90m	16u	2.0m	250n	600n	16	700k†	24	10kØ		88	200m	80	5C		A003	TO99
97	ADO45	30	90m	20u	Δ§	10n†§	100n§	20	200k	20	10m	1.5M§	98	1.1	80 †	28		A053	MP42a
98▼	ZA801M2	30	90m†	20u			25p	30	100G†	20	7.0m	4.0MØ	100	6.0	80	28			MP5bf
99	ZA804M2	30	90m†	20u	Δ		25p	30	100G†	20	7.0m	4.0MØ	100	6.0	80	28			MP5bf
100	1413	30	90m	20u	2.0m†§	2.5n	10n§	24	10M	22	10m	10k	83	600m	86 †	28			TO99
101	3500A	30	90m	20u	5.0m§	15n†§	30n§	22	10M†	20	20m	1.5M†Ø	93	600m	100 †	28			TO99
102	3500AN	30	90m	20u	5.0m§	15n†§	30n§	22	10M†	20	20m	1.5M†Ø	93	600m	100 †	28			MP48b
103	3500R	30	90m	20u	5.0m§	15n†§	30n§	22	10M†	20	20m	1.5M†Ø	93	600m	100 †	5C			TO99
104	SSS301AJ	30	90m	20u†	10m	50n	200n	27	1.0M	24	10kØ	1.0M†Ø	88	400m†	70	07			TO99
105	SSS301AP	30	90m	20u†	10m	50n	200n	27	1.0M	24	10kØ	1.0M†Ø	88	400m†	70	07			TO116
106	1425-01	30	90m	25u	1.0m§	2.0p§†	5.0p§	20	1.0T†	20	10m	1.0MØ	100	3.0	80	28			TO99
107	1426-01	30	90m	25u	1.0m§	5.0p§†	10p§	20	100G†	20	10m	1.0MØ	100	3.0	80	28			TO99
108	1428-01	30	90m	25u	1.0m§	2.0p§†	10p§	20	1.0T†	20	10m	1.0MØ	100	3.0	80	28			FPØ
109	1428-02	30	90m	25u	1.0m§	1.0p§†	5.0p§	20	1.0T†	20	10m	1.0MØ	100	3.0	80	28			FPØ
110	1319	30	90m	25u	5.0m§	50n§	250n§	24	500k	20	10m	1.0MØ†	94	600m†	100 †	07			TO99

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE				MIN.-@25°C		MIN. OUTPUT CHAR.@25°C		MIN TRANSFER CHAR @ 25°C				T C		DRAWINGS
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	E O M D P E -+	CKT.	OUT-LINE Δ=MO
1	1429-01	30	90m	30u	1.0m	100f§†	500f§	20	10T†	20	10m	500kØ	94	3.0	80 †	07		TO99
2	AD301AH	30	90m	30u	7.5m	50n	250n	24		24						07	A134	TO99
3	AMLM301A	30 ♦	90m	30u	10m	70n	300n	27 §	500k	24	10kØ		87		70	07	A155	TO99
4	AMLM301AD	30 ♦	90m	30u	10m	70n	300n	27 §	500k	24	10kØ		87		70	07	A155	MP151a
5	AMLM307	30 ♦	90m	30u	10m	70n	300n	27 §	500k	24	10kØ		86		70	07	A156	TO99
6	AMLM307D	30 ♦	90m	30u	10m	70n	300n	27 §	500k	24	10kØ		86		70	07	A156	MP151a
7	HA2301A	30	90m	30u	10m	70n	300n	24	500k	24	10kØ	100 †	88	500m	70	07		TO99
8	HA2307	30	90m	30u	10m	70n	300n	24	500k	24	10kØ	800k	88	500m	70	07		TO99
9	ICL301ALNPA	30	90m	30u	10m	70n	300n	27 §		24	10kØ	800kt Ø	83	500mt	70	07		
10	ICL301ALNTY	30	90m	30u	10m	70n	300n	27 §		24	10kØ	800kt Ø	83	500mt	70	07		TO99
11	LA301AH	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	800kØ	87	400mt	70	07	A001	CN1c
12	LA301AN	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	800kØ	87	400mt	70	07	A001	MP39
13	LA307H	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	800kØ	87	500m	70	07	A001	CN1c
14	LA307N	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	800kØ	87	500m	70	07	A001	MP☑
15▼	LH2301AD	30	90m	30u	10m	70n	300n	24	500k	24	10kØ	10 †	84	500mt	70	07		MP230a
16▼	LH2301AF	30	90m	30u	10m	70n	300n	24	500k	24	10kØ	10 †	84	500mt	70	07		FP28
17	LM301AF	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	1.0k	87	500	70	07	A001	FP2
18	LM301AH	30	90m	30u	10m	70n	300n	24	500k	24	10k	100 †	88		70	07		TO99
19	LM301AP	30	90m	30u	10m	70n	300n	24	500k	24	10kØ	100 †	88		70	07		MP39d
20	LM307F	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	800k	87	500m	70	07	A001	FP2
21	LM307H	30	90m	30u	10m	70n	300n	24	500k	24	10kØ	10	88		70	07		TO99
22	LM307N	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	800k	87	500m	70	07	A001	MP☑
23	MLM307G	30	90m	30u	10m	70n	300n	30	500k	24	3.0		88		70	07	A175	TO99
24#	MT301A	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07		CN1c
25#	MT307	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07		CN1c
26	N53A1A	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A090	MP153
27	N53A1T	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A090	CN1g
28	N53A1V	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A090	MP216
29	N5301AT	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	1.0MØ	87	500m	70	07	A001	CN1g
30	N5301AV	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	1.0MØ	87	500m	70	07	A001	MP216
31	N5307T	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	800kØ	87	500m	70	07	A001	CN1g
32	N5307V	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	800kØ	87	500m	70	07	A001	MP216
33#	SFC2301A	30	90m	30u	10m	70n	300n	24	500k	24	10kØ	100 †	88	500mt	70	07	A012	TO99
34#	SFC2301ADC	30	90m	30u	10m	70n	300n	24	500k	24	10kØ	1.0k	87	500mt	70	07	A012	MP98
35	SG301AN	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	1.0k	87		70	07	A001	TO116
36	SG301AT	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	1.0k	87		70	07	A001	TO99
37	SG301N	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	1.0k	87		70	07	A001	TO116
38	SG301T	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	1.0k	87		70	07	A001	TO99
39	SG307M	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	800k	87	500m	70	07	A001	MP189a
40	SG307N	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	800k	87	500m	70	07		CN17c
41	SG307T	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	800k	87	500m	70	07		CN1c
42	SN72301AJ	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A150	MP139
43	SN72301AL	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A150	TO99
44	SN72301AN	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A150	MP39h
45	SN72301AP	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A150	MP161
46	SN72301AU	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A150	Δ004AE
47	SN72307J	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A151	MP139
48	SN72307L	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A151	TO99
49	SN72307N	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A151	MP39h
50	SN72307P	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A151	MP161
51	SN72307U	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A151	Δ004AE
52	TOA301AF	30	90m	30u	10m	70n	300n	24	.50M	24	10kØ	100 †	88		70	07	A172a	TO91
53	TOA301AJ	30	90m	30u	10m	70n	300n	24	.50M	24	10kØ	100 †	88		70	07	A173a	TO116
54	TOA301AV	30	90m	30u	10m	70n	300n	24	.50M	24	10kØ	100 †	88		70	07	A174b	TO99
55	TOA307F	30	90m	30u	10m	70n	300n	24	.50M	24	10kØ	10	88		70	07	A172b	TO91
56	TOA307J	30	90m	30u	10m	70n	300n	24	.50M	24	10kØ	10	88		70	07	A173b	TO116
57	TOA307V	30	90m	30u	10m	70n	300n	24	.50M	24	10kØ	10	88		70	07	A174c	TO99
58	UC4301A	30	90m	30u	10mΔ	70n	300n	24	500k	20	2.0kØ	500kØ	87	400mt	70	07	A090	TO99
59	9813	30	90m	30u	25m	20n	50n	20	3.0M	20	16m	1.0M§	90	2.0	30	58		MP5bk
60	ZA801E1	30	90mt	50u	Δ		25p	20	100Gt	20	7.0m	4.0M§	100	6.0	80	28		MP238
61	ZA801M1	30	90mt	50u			25p	30	100Gt	20	7.0m	4.0MØ	100	6.0	80	28		MP5bf
62	ZA802M1	30	90mt	50u			5.0p	30	100Gt	20	7.0m	2.0MØ	100	6.0	100	28		MP5bf
63	ZA804M1	30	90mt	50u	Δ		25p	30	100Gt	20	7.0m	4.0MØ	100	6.0	80	28		MP5bf
64	1425	30	90m	50u	2.0m§	5.0p§†	10p§	20	1.0T†	20	10m	1.0MØ	100	3.0	72	28		TO99
65	1426	30	90m	50u	2.0m§	5.0p§†	25p§	20	100Gt	20	10m	1.0MØ	100	3.0	72	28		TO99
66	1428	30	90m	50u	2.0m§	5.0p§†	25p§	20	100Gt	20	10m	1.0MØ	100	3.0	72	28		FP☑
67	1422	30	90m	50u	15m§	5.0p§	50p§	24	100Gt	20	20m	5.0M§	94	8.0	72	28		TO99
68	1422-01	30	90m	50u	15m§	2.0p§	15p§	24	100Gt	20	20m	5.0M§	100	8.0	72	28		TO99
69	1429-02	30	90m	60u	1.0m	100f§†	250f§	20	10T†	20	10m	500kØ	94	3.0	80 †	07		TO99
70	1424	30	90m	75u	15m§	2.0p§	50p§	20	1.0T†	20	10m	1.0MØ†	86	6.0 †	72	07		TO99
71	1429	30	90m	90u	30m	100f§†	1.0p§	20	10T†	20	10m	500kØ	86	3.0	80 †	07		TO99
72	ULN2171D	30	95m		6.5m	30n	75n	24	2.0M	20	2.0kØ	10k	88	800m	80	59	A174	TO99
73	ULN2171G	30	95m		6.5m	30n	75n	24	2.0M	20	2.0kØ	10k	88	800m	80	59	A172	FP☑
74	ULN2171H	30	95m		6.5m	30n	75n	24	2.0M	20	2.0kØ	10k	88	800m	80	59	A173e	MP☑
75	ULN2171M	30	95m		6.5m	30n	75n	24	2.0M	20	2.0kØ	10k	88	800m	80	59	A200a	MP☑
76	ULN2172D	30	95m		6.5m	30n	75n	24	2.0M	20	2.0kØ	10k	88	800m	80	59	A174b	TO99
77	ULN2172G	30	95m		6.5m	30n	75n	24	2.0M	20	2.0kØ	10k	88	800m	80	59	A172a	FP☑
78	ULN2172H	30	95m		6.5m	30n	75n	24	2.0M	20	2.0kØ	10k	88	800m	80	59	A173d	MP☑
79	ULN2172M	30	95m		6.5m	30n	75n	24	2.0M	20	2.0kØ	10k	88	800m	80	59	A200	MP☑
80▼	LH2201AD	30	99m	15u	3.0m	20n	100n	24	1.5M	24	10kØ	10 †	88	500mt	80	28		MP230a
81▼	LH2201AF	30	99m	15u	3.0m	20n	100n	24	1.5M	24	10kØ	10 †	88	500mt	80	28		FP28
82	S5741T	30	100m		6.0m	500n☑	1.5u☑	24	300k	20	2.0kØ		93	500mt	70	5C	A042k	CN1g
83	SN52747J	30	100m		6.0m	500n	1.5u	24	300k	24	10kØ	1.0MtØ	94	500mt	70	5C	A154a	MP139
84	SN52747N	30	100m		6.0m	500n	1.5u	24	300k	24	10kØ	1.0MtØ	94	500mt	70	5C	A154a	MP39h
85	SN72747J	30	100m		7.5m	300n	800n	24	300k	24	10kØ	1.0MtØ	94	500mt	70	07	A154a	MP139
86	SN72747N	30	100m		7.5m	300n	800n	24	300k	24	10kØ	1.0MtØ	94	500mt	70	07	A154a	MP39h
87	811CE	30	100mt	5.0ut§	10m§	.35u§	1.5u	20	50k	20	5.0kØ		80		90 †	0A	A021	TO99
88	811CJ	30	100mt	5.0ut§	10m§	.35u§	1.5u	20	50k	20	5.0kØ		80		90 †	0A	A021	MP25
89	118A☑	30	100m	10u	1.0m		5.0p	20	100G	20	10m	500k	88	500m	86			MP6n
90	218A	30	100m	10u	1.0m		5.0p	20	100G	20	10m	500k	88	500m	86			CN2
91	47B	30	100m	15u	Δ		2.0n☑	22	100Gt	20	40m	10MtØ	100	50	100	28		MP5s
92	47T	30	100m	15u	Δ		2.0n☑	22	100Gt	20	40m	10MtØ	100	50	100	58		MP5s
93	118B	30	100m	25u	1.0m		5.0p	20	100G	20	10m	500k	88	500m	86			MP6n
94	218B	30	100m	25u	1.0m		5.0p	20	100G	20	10m	500k	88	500m	86			CN2
95	2809CG	30	100mt	25ut§	8.0mt	10p§†	20p§†	20	100M	20	5.0mØ		80		70 †	0A		CN☑
96	47S	30	100m	50u	Δ		2.0n☑	22	100Gt	20	40m	10MØ	100	50	100	58		MP5s
97	118C	30	100m	50u	2.0m		5.0p	20	100G	20	10m	500k	88	500m	86			MP6n
98	218C	30	100m	50u	2.0m		10p	20	100G	20	10m	500k	88	500m	86			CN2
99	809CE	30	100mt	50u§	10m§	.50u	1.5u	20	50k	20	5.0kØ	1.0kt	80		90 †	0A	A019	TO99
100	809CH	30	100mt	50u§	10m§	.50u	1.5u	20	50k	20	5.0kØ	1.0kt	80		90 †	0A	A019	FP5
101	809CJ	30	100mt	50u§	10m§	.50u	1.5u	20	50k	20	5.0kØ	1.0kt	80		90 †	0A	A019	MP25
102	810CH	30	100mt	50u§	10m§	.35u§	1.5u	20	50k	20	5.0kØ	1.0kt	80		90 †	0A	A021a	FP6
103	810CJ	30	100mt	50u§	10m§	.35u§	1.5u	20	50k	20	5.0kØ	1.0kt	80		90 †	0A	A021a	MP25
104	CTS862	30	105m		60m	15u	60u	22	20k	22	200m	10MØ	58	4.0	50	56	A088	CN8f
105	RM725T	30	105m	2.0ut	1.0m	20n	100n	27	1.5Mt	20	2.0kØ		130		120 †	5C	A107	TO99
106▼	LH0041G883	30	105m	3.0ut	5.0m	300n	1.0u	24	300k	26	100kØ	40kt	100	1.5	70	5C	A216	CN18c
107▼	LH0041G	30	105m	3.0ut	5.0m	300n	1.0u	24	300k	26	100kØ	40kt	100	1.5	70	5C	A216	CN18c
108	OA104	30	105m	5.0u	1.0m§Δ		15p§†	24	10Gt	20	2.0kØ		93	5.0	65	28		MP14t
109	AMU5T7725312	30	105m	5.0u	1.5m	40n☑	200n☑	27	1.5Mt	24	10kØ		140		110	5C	A071	TO99
110	LM725	30	105m	5.0u	1.5m	40n	200n	27	1.5Mt	20	2.0kØ		120		110	5C		TO99

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1	uA725-5T-312	30	105m	5.0u	1.5m	40n	200n	27	1.5M†	20	2.0kØ		120		110	5C	A107	CN1f
2	uA725-6A-312	30	105m	5.0u	1.5m	40n	200n	27	1.5M†	24	10kØ		120		100	5C	A107	MP14v
3▼	LH0041J	30	105m	5.0u†	7.5m	500n	1.0u	24	300k	26	100kØ	40kt	100	1.5	70	5C	A216	MP334
4	3421L	30	105m	10u	Δ	200f	200f§	20	100GT	20	20m	250kØ	94	300m	80 †	07		MP5f
5	F418A	30	105m	10u	1.0m§		1.0p§	20	1.0T	20	10m	500kØ	88	500m	80 †	5C		MP260
6	44K	30	105m	15u	Δ		1.0nØ	22	100GT	20	40m	10MtØ	100	50	80	28		MP5s
7	3001	30	105m†	20u§	Δ	100n§	100n§	20	1.0Mt	20 †	4.0mt	2.0M§†	94 †	200mt	120 †	5A	A062	MP49
8	OA101	30	105m	20u	1.0m§Δ		15p§†	24	10GT	20	2.0kØ		93	5.0	65	28		MP14t
9	OA105	30	105m	20u	1.0m§Δ		75p§	24	100GT	20	2.0kØ		93	5.0	85	58		MP14t
10	OA107	30	105m	20u	1.0m§Δ		75p§	24	100GT	20	2.0kØ		93	5.0	85	58		MP14t
11▼	LH0042D883	30	105m	20u§	20m§	5.0p§	25p§	24	1.0Tt	20	20m	1.0MtØ	94	1.5	70	5C	A223	MP148
12▼	LH0042D	30	105m	20u§	20m§	5.0p§	25p§	24	1.0Tt	20	20m	1.0MtØ	94	1.5	70	5C	A223	MP148
13▼	LH0042F883	30	105m	20u§	20m§	5.0p§	25p§	24	1.0Tt	20	20m	1.0MtØ	94	1.5	70	5C	A223	FP18
14▼	LH0042F	30	105m	20u§	20m§	5.0p§	25p§	24	1.0Tt	20	20m	1.0MtØ	94	1.5	70	5C	A223	FP18
15▼	LH0042H883	30	105m	20u§	20m§	5.0p§	25p§	24	1.0Tt	20	20m	1.0MtØ	94	1.5	70	5C	A223	CN17g
16▼	LH0042H	30	105m	20u§	20m§	5.0p§	25p§	24	1.0Tt	20	20m	1.0MtØ	94	1.5	70	5C	A223	CN17g
17	3421K	30	105m	25u	Δ	100f	100f§	20	100GT	20	20m	250kØ	94	300m	80 †	07		MP5f
18	F418B	30	105m	25u	1.0m§		1.0p§	20	1.0T	20	10m	500kØ	88	500m	80 †	5C		MP260
19▼	LH0021K883	30	105m	25u	5.0m	300n	1.0u	24	300k	27	100kØ	40kt	100	1.5	70	5C	A216	CN22d
20▼	LH0021K	30	105m	25u	5.0m	300n	1.0u	24	300k	27	100kØ	40kt	100	1.5	70	5C	A216	CN22d
21	OA103	30	105m	45u	1.0m§Δ		25p§†	24	10GT	20	2.0kØ		93	5.0	65	28		MP14t
22	44J	30	105m	50u	Δ		2.0nØ	22	100GT	20	40m	10MtØ	100	50	80	28		MP5s
23	47A	30	105m	50u	Δ		2.0nØ	22	100GT	20	40m	10MtØ	100	50	100	28		MP5s
24	3421J	30	105m	50u	Δ	500f	500f§	20	100GT	20	20m	250kØ	94	300m	80 †	07		MP5f
25	OA106	30	105m	50u	1.0m§Δ		75p§	24	100GT	20	2.0kØ		93	5.0	85	58		MP14t
26	OA108	30	105m	50u	1.0m§Δ		75p§	24	100GT	20	2.0kØ		93	5.0	85	58		MP14t
27	F418C	30	105m	50u	2.0m§		1.0p§	20	1.0T	20	10m	500kØ	88	500m	80 †	5C		MP260
28	OA102	30	105m	65u	1.0m§Δ		25p§†	24	10GT	20	2.0kØ		93	5.0	65	28		MP14t
29	OA109	30	105m	100u	5.0m§Δ		100p§	24	100GT	20	2.0kØ		93	5.0	65	28		MP14t
30	CA3060AD*†	30	108m		5.0m§	1.0u§	5.0u§	24	10k	24	150u	110kt		8.0 †	70	5C	A180	Δ001AE
31	CA3060BD*†	30	108m		5.0m§	1.0u§	5.0u§	24	10k	24	150u	110kt		8.0 †	70	5C	A180	Δ001AE
32	CA3060E*†	30	108m		5.0m§	1.0u§	5.0u§	24	10k	24	150u	110kt		8.0 †	70	48	A180	Δ001AC
33	709AE	30	108m	10u	2.0m	250n	750n	16	350k	24	10kØ	1.0kt	88		80	5C	A043	TO99
34	709AH	30	108m	10u	2.0m	250n	750n	16	350k	24	10kØ	1.0kt	88		80	5C	A043	FPØ
35#	SFC2709AP	30	108m	10u§	3.0m	250nØ	600nØ	16	350k	24	10kØ		87	250mt	80	5C	A003	TO91
36	SN52709AL	30	108m	10u	3.0m	250n	600n	16	350k	24	10kØ		93		80	5C	A003	TO99
37	SN52709AN	30	108m	10u	3.0m	250n	600n	16	350k	24	10kØ		93		80	5C	A003	MP39h
38	SN52709AP	30	108m	10u	3.0m	250n	600n	16	350k	24	10kØ		93		80	5C	A003	MP161
39	SN52709AS	30	108m	10u	3.0m	250n	600n	16	350k	24	10kØ		93		80	5C	A003	TO89
40	709-11-5B	30	108m	25u	3.0m	.25u	.60u	16	350k	24	10kØ	10kt	88	.70	80	5C	A003	TO99
41	MIC709AC	30	108m	25u	3.0m	50n§	200n§	16	350k	24			87		80	5C	A003	CN1
42	MIC709AD	30	108m	25u	3.0m	50n§	200n§	16	350k	24			87		80	5C	A003	MP14m
43	TOA4709F	30	108m	25u	3.0m	.25u	.60u	16	350k	24	10kØ	10k	88	.30 †	80	5C	A003	TO91
44	TOA4709J	30	108m	25u	3.0m	250n	600n	16	350k	24	10kØ	10k	88	300mt	80	5C	A003	TO116
45	TOA4709V	30	108m	25u	3.0m	250n	600n	16	350k	24	10kØ	10k	88	300mt	80	5C	A003	TO99
46	uA709-3F-311	30	108m	25u	3.0m	250n	600n	16	350k	24	10kØ	10kt	88	700m	80	5C	A003	TO91
47	uA709-5B-311	30	108m	25u	3.0m	250n	600n	16	350k	24	10kØ	10kt	88	700m	80	5C	A003	TO99
48	uA709-6A-311	30	108m	25u	3.0m	250n	600n	16	350k	24	10kØ	10kt	88	700m	80	5C	A003	MP14v
49	HA9-2620	30	110m	10u†	4.0m	30n	30n	22	100M	20	20m	35MtØ	100	25	80	5C		TO86
50♦	HA1-2620	30	110m	15u	6.0m	35n	35n	22	65M	20	20m	35M	100	25	80	5C		TO116
51♦	HA2-2600	30	110m	15u	6.0m	30n	30n	22	100M	20	20m	8.0M	100	4.0	80	5C		TO99
52♦	HA2-2620	30	110m	15u	6.0m	35n	35n	22	65M	20	20m	35M	100	25	80	5C		TO99
53♦	HA9-2600	30	110m	15u	6.0m	30n	30n	22	100M	20	20m	8.0M	100	4.0	80	5C		TO91
54▼	HA1-2622	30	110m	15u	7.0m	60n	60n	22	40M	20	10m	35M	98	20	74	5C		TO116
55♦	HA2-2602	30	110m	15u	7.0m	60n	60n	22	40M	20	20m	8.0M	98	4.0	74	5C		TO99
56▼	HA2-2622	30	110m	15u	7.0m	60n	60n	22	40M	20	10m	35M	98	20	74	5C		TO99
57♦	HA9-2602	30	110m	15u	7.0m	60n	60n	22	40M	20	20m	8.0M	98	4.0	74	5C		TO99
58	OA125	30	115m	10u	3.0m§	250n§			5.0k	4.6	100 Ø	6.0M	100	180		28		MP174b
59	FS125	30	115m	25u	5.0m	2.5u			10k	4.6	100 Ø	4.0M	100	250		07		MP174b
60	P85A	30	120mt		Δ	50n§		22 †	330kt	22 †	4.4mt	2.0MØ	93	600mt	86	28		CB1a
61	PP45U	30	120m		Δ	100n§		20 †	100k	20	40mt	100MØt	93	200	60	28		MP6b
62	SN72771L	30	120m		1.4m	14n	40n	22	100Mt	22	2.0kØ	1.3MtØ	90	2.5 †	70	07	A185	TO99
63	MC1456CG	30	120m		12m§	30n§	90n§	21	3.0Mt	20	2.0kØ	1.0MØt	88	2.5 †	110 †	07	A100	TO99
64	SN72770J	30	120m		14m	14n	40n	22	100Mt	22	2.0kØ	1.3MtØ	90	2.5 †	70	07	A184	MP139
65	SN72770L	30	120m		14m	14n	40n	22	100Mt	22	2.0kØ	1.3MtØ	90	2.5 †	70	07	A184	TO99
66	SN72770N	30	120m		14m	14n	40n	22	100Mt	22	2.0kØ	1.3MtØ	90	2.5 †	70	07	A184	MP39h
67	SN72770P	30	120m		14m	14n	40n	22	100Mt	22	2.0kØ	1.3MtØ	90	2.5 †	70	07	A184	MP267
68	SN72770Z	30	120m		14m	14n	40n	22	100Mt	22	2.0kØ	1.3MtØ	90	2.5 †	70	07	A184	FP22
69	SN72771J	30	120m		14m	14n	40n	22	100Mt	22	2.0kØ	1.3MtØ	90	2.5 †	70	07	A185	MP139
70	SN72771N	30	120m		14m	14n	40n	22	100Mt	22	2.0kØ	1.3MtØ	90	2.5 †	70	07	A185	MP39h
71	SN72771P	30	120m		14m	14n	40n	22	100Mt	22	2.0kØ	1.3MtØ	90	2.5 †	70	07	A185	MP267
72	SN72771U	30	120m		14m	14n	40n	22	100Mt	22	2.0kØ	1.3MtØ	90	2.5 †	70	07	A185	Δ004AE
73	A180B	30	120mt	500n	100u§		4.0n§	20	5.0M	20	2.5m	1.0MØt	109	600m	100 †	28	A053a	MP5f
74	A180K	30	120mt	500nØ	100u§		4.0n§	20	5.0M	20	2.5m	1.0MØt	109	600m	100 †	28	A053a	MP5f
75▼	monoOP05AJ	30	120m	500n	240u	4.0n	4.0n	27	30M	25	10kØ	1.2MtØ	109	250mt	114	5C	A174a	TO99
76▼	monoOP05AL	30	120m	500n	240u	4.0n	4.0n	27	30M	25	10kØ	1.2MtØ	109	250mt	114	5C	A172c	FP27
77▼	monoOP05AY	30	120m	500n	240u	4.0n	4.0n	27	30M	25	10kØ	1.2MtØ	109	250mt	114	5C	A173c	TO116
78	10M3	30	120m	500n	100m	40p		100mΔ	1.0M	100m	470kØ		54			58		MP112
79▼	monoOP05EJ	30	120m	600n	600u	5.3n	5.5n	27	15M	25	10kØ	1.2MtØ	106	250mt	110	07	A174a	TO99
80▼	monoOP05EY	30	120m	600n	600u	5.3n	5.5n	27	15M	25	10kØ	1.2MtØ	106	250mt	110	07	A173c	TO116
81	SSS725AJ	30	120m	800n	180u	4.0nØ	120nØ	27	800k	25	10kØ	1.0MtØ	120	7.5mt	120	5c	A174a	TO99
82	SSS725AL	30	120m	800n	180u	4.0nØ	120nØ	27	800k	25	10kØ	1.0MtØ	120	7.5mt	120	5c	A172c	TO91
83	SSS725AP	30	120m	800n	180u	4.0nØ	120nØ	27	800k	25	10kØ	1.0MtØ	120	7.5mt	120	5c	A173c	TO116
84	9815	30	120m	1.0u	30u	10n	100n	20	1.0M	20	20m	200k§	120	3.0m	100	58		MP268
85	9729	30	120m	1.0u	100u	10p	30p	20	1.0T	20	40m	1.0M§	140	1.0	90	58		MP268
86▼	9733	30	120m	1.0u	100u	10f	100f	22	10T	20	20m	3.0M§	100	6.0	110	59		MP268
87	3521L	30	120m	1.0u	250u§	2.0p†§	10p§	20	100GT	20	20m	1.5MtØ	100	1.0	90 †	07		TO99
88▼	monoOP10EY*	30	120m	1.0u	600u	5.3n	5.5n	27	15M	25	10kØ	1.2MtØ	106	250mt	110	07		TO116
89▼	monoOP05J	30	120m	1.0u	700u	5.6n	6.0n	27	20M	25	10kØ	1.2MtØ	106	250mt	114	5C	A174a	TO99
90▼	monoOP05L	30	120m	1.0u	700u	5.6n	6.0n	27	20M	25	10kØ	1.2MtØ	106	250mt	114	5C	A172c	FP27
91▼	monoOP05Y	30	120m	1.0u	700u	5.6n	6.0n	27	20M	25	10kØ	1.2MtØ	106	250mt	114	5C	A173c	TO116
92▼	monoOP10AY*	30	120m	1.0u	700u	5.6n	6.0n	27	20M	25	10kØ	1.2MtØ	106	250mt	114	5C		TO116
93▼	monoOP10Y*	30	120m	1.0u	700u	5.6n	6.0n	27	20M	25	10kØ	1.2MtØ	106	250mt	114	5C		TO116
94	A180J	30	120mt	1.5uØ	250u§		4.0n§	20	5.0M	20	2.5m	1.0MØt	109	600m	100 †	28	A053a	MP5f
95	A180A	30	120mt	1.5u	1.0m§		4.0n§	20	5.0M	20	2.5m	1.0MØt	109	600m	100 †	28	A053a	MP5f
96	3521K	30	120m	2.0u	250u§	2.0p†§	15p§	20	100GT	20	20m	1.5MtØ	100	1.0	90 †	07		TO99
97	SSS725EJ	30	120m	2.0u	600u	7.0nØ	100nØ	27	700k	25	10kØ	1.0MØt	120	7.5mt	120	07	A174a	TO99
98	SSS725EP	30	120m	2.0u	600u	7.0nØ	100nØ	27	700k	25	10kØ	1.0MØt	120	7.5mt	120	07	A173c	TO116
99	SSS725J	30	120m	2.0u	700u	18nØ	180nØ	27	700k	25	10kØ	1.0MtØ	120	7.5mt	120	5c	A174a	TO99
100	SSS725L	30	120m	2.0u	700u	18nØ	180nØ	27	700k	25	10kØ	1.0MtØ	120	7.5mt	120	5c	A172c	TO91
101	SSS725P	30	120m	2.0u	700u	18nØ	180nØ	27	700k	25	10kØ	1.0MtØ	120	7.5mt	120	5c	A173c	TO116
102	SSS725BJ	30	120m	2.8u	1.0m	14nØ	150nØ	27	700k	25	10kØ	1.0MtØ	120	7.5mt	110	28	A174a	TO99
103	SSS725BL	30	120m	2.8u	1.0m	14nØ	150nØ	27	700k	25	10kØ	1.0MtØ	120	7.5mt	110	28	A172c	TO91
104	SSS725BP	30	120m	2.8u	1.0m	14nØ	150nØ	27	700k	25	10kØ	1.0MtØ	120	7.5mt	110	28	A173c	TO116
105▼	9825	30	120m	3.0u	100u	10n	100n	20	100M	20	20m	1.0M§	100	1.0	100	58		MP268
106	monoOP08EJ	30	120m	4.5u	850u	140n	700p	24	230M	25	10kØ	1.0MØt	94	15mt	94	07	A174a	TO99
107	monoOP08EP	30	120m	4.5u	850u	140n	700p	24	230M	25	10kØ	1.0MØt	94	15mt	94	07		TO116
108	monoOP08AJ	30	120m	4.5u	1.0m	330p	990p	24	230M	25	10kØ	1.0MØt	94	15mt	94	5c	A174a	TO99
109	monoOP08AL	30	120m	4.5u	1.0m	330p	990p	24	230M	25	10kØ	1.0MØt	94	15mt	94	5c		TO91
110	monoOP08AP	30	120m	4.5u	1.0m	330p	990p	24	230M	25	10kØ	1.0MØt	94	15mt	94	5c		TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C M P	D E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	118K	30	120m	5.0u	Δ	3.0n	35n	20	1.0M	20	10m	1.5MØ	108	6.0	86	05			MP75
2	3521J	30	120m	5.0u	250u§	2.0pt§	20p§	20	100Gt	20	20m	1.5Mt Ø	100	1.0	90 †	07			TO99
3	3521R	30	120m	5.0u	250u§	2.0pt§	20p§	20	100Gt	20	20m	1.5Mt Ø	100	1.0	90 †	07			TO99
4	AD504JH	30	120m	5.0u	2.5m	40n	200n	20		24	5.0m	300k	105	120m	94	07			TO99
5▼	LH0041CG	30	120m	5.0ut	7.5m	500n	1.0u	24	300k	26	100kØ	40kt	100	1.0	70	28		A216	CN18c
6▼	LH0041CJ	30	120m	5.0ut	7.5m	500n	1.0u	24	300k	26	100kØ	40kt	100	1.0	70	28		A216	MP334
7	monoOP08J	30	120m	6.0u	2.7m	500p	1.7n	24	230M	25	10kØ	1.0MØt	94	15mt	94	5c		A174a	TO99
8	monoOP08L	30	120m	6.0u	2.7m	500p	1.7n	24	230M	25	10kØ	1.0MØt	94	15mt	94	5c			TO91
9	monoOP08P	30	120m	6.0u	2.7m	500p	1.7n	24	230M	25	10kØ	1.0MØt	94	15mt	94	5c			TO116
10	112B	30	120m	10u	Δ	10n	100n	20	1.0M	20	10m	1.5M	92	1.0	86	28			MP199e
11	3521H	30	120m	10u	500u§	2.0pt§	20p§	20	100Gt	20	20m	1.5Mt Ø	93	1.0	90 †	07			TO99
12	41KV	30	120m	10u	2.0m§Δ	4.0p	250n§	30	10Tt	20	10m	1.0Mt Ø	100 †	3.0	80	28			MP5ab
13	601Ø	30	120m	10u§	2.0m§		50n§		100k	22	40m	2.0M§	100	1.5		28			MP6
14	AMU5T7725333	30	120m	10u	2.5m	40nØ	400nØ	27	3.0Mt	24	10kØ		83		100	28		A071	TO99
15	uA725-5T-333	30	120m	10u	2.5m	40n	200n	27	1.5Mt	20	2.0kØ		93		100	28		A107	CN1f
16	uA725-6A-333	30	120m	10u	2.5m	40n	200n	27	1.5Mt	24	10kØ		94		100	28		A107	MP14v
17	monoOP08BJ	30	120m	10u	6.5m	380n	990p	24	160M	25	10kØ	1.0MØt	94	15mt	94	28		A174a	TO99
18	monoOP08BL	30	120m	10u	6.5m	380n	990p	24	160M	25	10kØ	1.0MØt	94	15mt	94	28			TO91
19	monoOP08BP	30	120m	10u	6.5m	380n	990p	24	160M	25	10kØ	1.0MØt	94	15mt	94	28			TO116
20▼	9734	30	120m	15u	1.0mΔ	5.0p	20p	20	1.0T	20	20m	1.0M§	100	6.0	80	58			MP268
21	RM709D	30 ♦	120m	15u	4.0m	300n	1.0u	16	400kt	24	10kØ		88	150m	70	5C		A003	MP40
22	RM709Q	30 ♦	120m	15u	4.0m	300n	1.0u	16	400kt	24	10kØ		88	150m	70	5C		A003	FP2k
23	RM709T	30 ♦	120m	15u	4.0m	300n	1.0u	16	400kt	24	10kØ		88	150m	70	5C		A003	TO99
24	112A	30	120m	20u	Δ	10n	100n	20	1.0M	20	10m	1.5M	92	1.0	86	28			MP199e
25	118A	30	120m	20u	Δ	3.0n	35n	20	1.0M	20	10m	1.5MØ	108	6.0	86	28			MP75
26	701	30	120m	20u§	2.0m§Δ		100p§		100Gt	22 †	40mt	2.0MØt	100 †	1.5 †		28			MP6
27▼	HA1-2625	30	120m	20u	7.0m	40n	40n	22	40M	20	10m	35M	98	20	74	07			TO116
28♦	HA2-2605	30	120m	20u	7.0m	40n	40n	22	40M	20	20m	8.0M	98	4.0	74	07			TO99
29▼	HA2-2625	30	120m	20u	7.0m	40n	40n	22	40M	20	10m	35M	98	20	74	07			TO99
30♦	HA9-2605	30	120m	20u	7.0m	40n	40n	22	40M	20	20m	8.0M	98	4.0	74	07			TO91
31	41JV	30	120m	25u	2.0m§Δ	4.0p	500n§	30	10Tt	20	10m	1.0Mt Ø	100 †	3.0	80	28			MP5ab
32	41LV	30	120m	25u	2.0m§Δ	4.0p	150n§	30	10Tt	20	10m	1.0Mt Ø	100 †	3.0	80	28			MP5ab
33▼	LH0042CD	30	120m	25u§	20m§	10p§	50p§	24	1.0Tt	20	20m	1.0Mt Ø	88	1.0	70	28		A223	MP148
34▼	LH0042CF	30	120m	25u§	20m§	10p§	50p§	24	1.0Tt	20	20m	1.0Mt Ø	88	1.0	70	28		A223	FP18
35▼	LH0042CH	30	120m	25u§	20m§	10p§	50p§	24	1.0Tt	20	20m	1.0Mt Ø	88	1.0	70	28		A223	CN17g
36	D10	30	120mt	30u	Δ	100n		14	200k	22	4.4m	1.0MØ	92 †	600m	74 †	28			MP5h
37	1321	30	120m	30ut	5.0m§	25n§	25n§	24	40M	20	20m	100Mt§	98	20	100 †	07			TO99
38	1321-01	30	120m	30ut	5.0m§	25n§	25n§	24	40M	20	20m	100Mt§	98	20	100 †	5c			TO99
39	A1005	30	120mt	30uØ	6.0m§	5.0n§	50n§	10	2.0Mt	20	40m	500kØ	88	500m	86 †	28		A053	MP5s
40▼	LH0021CK	30	120m	30u	7.5m	500n	1.0u	24	300k	26	100kØ	40kt	100	1.0	70	28		A216	CN22d
41#	SFC2307	30	120m	30u	10m	70n	300n		500k	24				500mt	70	07			TO99
42	P45A	30	120m	55u	Δ		1.2u	20	100k	20	40m	100MØ	95	150	60	28			CB1
43	PP45	30	120m	55u	Δ		1.2u		100k	22	22m	100M§	109	150		28			MP6a
44	P85AU	30	130m	6.0ut§	Δ		100n	22	330k	22	4.4m	2.0MØ	106	600m	86	28			MPØ
45	PF85AU	30	130m	6.0ut§	Δ		100n	22	330k	22	4.4m	2.0MØ	106	600m	86	28			MPØ
46	ATF401	30	132mt	10u	10m§	10n§	50n§	22	200k	22	4.4m	2.0MØ	100	10 Ø	80	28		A023	MP31
47	230L	30	135m	100nØ	10u		50p§	SE	300k	20	8.0m	500kØ	140	200m		28			MP5an
48	232B	30	135m	100n	10uΔ		50p	SE	300k	20	8.0m	500kØ	140	200m		28			MP77
49	232K	30	135m	100n	10uΔ		50p	SE	300k	20	8.0m	500kØ	140	200m		05			MP77
50	A230L	30	135mt	100nØ	10u§Δ		50p§	SE	400kt	20	8.0m	1.0Mt Ø	140	200m		28		A053b	MP5aw
51	232A	30	135m	250n	15uΔ		100p	SE	300k	20	8.0m	500kØ	140	200m		28			MP77
52	232J	30	135m	250n	15uΔ		100p	SE	300k	20	8.0m	500kØ	140	200m		05			MP77
53	A230J	30	135mt	250nØ	15u§Δ		100p§	SE	400kt	20	8.0m	1.0Mt Ø	140	200m		28		A053b	MP5aw
54	A230K	30	135mt	250nØ	15u§Δ		50p§	SE	400kt	20	8.0m	1.0Mt Ø	140	200m		28		A053b	MP5aw
55	144K	30	135m	30u	2.0m§Δ	25p§	100p§	17 §	100G	20	10m	4.0Mt Ø	94	6.0	60 †	16			MP75
56	144A	30	135m	100u	2.0m§Δ	25p§	100p§	17 §	100G	20	10m	4.0Mt Ø	94	6.0	60 †	28			MP75
57	PP25A	30	138mt		Δ	150p§		20 †	100Gt	22 †	4.4mt	1.5MØ	92	600mt	60	28			MP6b
58	PP25AU	30	140m	55u	Δ	50p§	150p§	20	100G	22	4.4m	1.5MØ	103	2.0 †	60	28			MP6b
59	SP456	30	150m		Δ	10p§		SE	1.3Mt	20 †	40mt	100MØ	160	200 †		28			CB2
60	ULS2139D	30	150m		4.5m	80n	800n	22	150k	20	1.0kØ	20k	94	1.0	80	5C		A174e	TO99
61	ULS2139G	30	150m		4.5m	80n	800n	22	150k	20	1.0kØ	20k	94	1.0	80	5C		A172d	FPØ
62	ULS2139H	30	150m		4.5m	80n	800n	22	150k	20	1.0kØ	20k	94	1.0	80	5C		A173f	MPØ
63	ULS2139M	30	150m		4.5m	80n	800n	22	150k	20	1.0kØ	20k	94	1.0	80	5C		A200b	MPØ
64	MCC1558*	30	150m		5.0m§	200n§	500n§	26 †	1.0Mt	24	10kØ	1.1Mt Ø	93	800mt	90 †	5C		A014	FC5
65▼	MCCF1558	30	150m		5.0m§	200n§	500n§	26 †	1.0Mt	24	10kØ	14kt	94	800mt	90 †	5C		A140a	FC20
66	LM1558-883	30	150m		6.0m	500n	1.5u	24	300k	24	10kØ	1.1MØt		800mt	70	5C			TO99
67	LM1558H*	30	150m		6.0m	500n	1.5u	24	300k	24	10kØ		93		70	5C		A042h	CN1d
68	S5558T*	30	150m		6.0m	500n	1.5u	24	300k	24	10kØ	1.1Mt Ø	96	800mt	70	5C		A140	CN1g
69▼	A245	30	150m	100n	Δ	30p	30p		300k	20	10m	400kØ	140	200m		28		A053b	MP199
70	233L	30	150m	100n	20uΔ	500nØ	50p		600kt	20	10m	500kt Ø	140	250m		28			MP5au
71	130C	30	150m	250n	100u	1.0n	2.0n	20	1.0G	20	20m	10k	114	1.0	100	28			MP199f
72	3440L	30	150m	250n	100u§	2.0n	25n§	20	4.0Mt	20	20m	1.0MØ	110	600m	100 †	07			MP5ca
73	A186	30	150m	250n	100u§		4.0n§	20	5.0M	20	20m	500kØ	109	600m	96	28		A053a	MP5f
74	1703-01	30	150m	300n	15u§	25p§	50p§	1.0	800kt	20	10m	1.0MØt	120	250m	60	07			MP5bv
75	233K	30	150m	300n	20uΔ	1.0pØ	50p		600kt	20	10m	500kt Ø	140	250m		28			MP5au
76	A233	30	150m	500n	25u§		50p§	200m	600k	20	10m	500kØ	140	200m		28		A053b	MP5bx
77	130B	30	150m	500n	100u	1.0n	5.0n	20	1.0G	20	20m	10k	114	1.0	100	28			MP199f
78	3440K	30	150m	500n	100u§	2.0nt	25n§	20	4.0Mt	20	20m	1.0MØ	110	600m	100 †	07			MP5ca
79	H2000BL	30	150m	500n	100u		80p	SE	600k	20	40m	1.0M	120	6.0 †		28			MP2e
80	A185	30	150m	500n	250u§		4.0n§	20	5.0M	20	20m	500kØ	109	600m	96	28		A053a	MP5f
81	1703	30	150m	1.0u	40u§	25p§	50p§	1.0	800kt	20	10m	1.0MØt	120	250m	60	07			MP5bv
82	233J	30	150m	1.0u	50uΔ	2.0pØ	50p		600kt	20	10m	500kt Ø	140	250m		28			MP5au
83▼	9738	30	150m	1.0u	100u	10p	30p	20	1.0T	20	20m	30M§	94	100	90	58			MP268
84	3144-15	30	150m	1.0u	300u§		10n§	20	500kt	20	40m	1.0MØ	120	900m	100	28			MP287c
85	3133-12C	30	150m	1.0u	500u§		10n§	20	500kt	20	10m	1.0MØ	120	900m	100	28			MP5ca
86	130A	30	150m	1.5u	250u	2.0n	10n	20	1.0G	20	20m	10k	114	1.0	100	28			MP199f
87	3440J	30	150m	1.5u	250u§	2.0nt	25n§	20	4.0Mt	20	20m	1.0MØ	110	600m	100 †	07			MP5ca
88▼	monoOP05CJ	30	150m	1.5u	1.6m	8.0n	9.0n	26	8.0M	25	10kØ	1.2Mt Ø	102	250mt	100	07		A174a	TO99
89▼	monoOP05CY	30	150m	1.5u	1.6m	8.0n	9.0n	26	8.0M	25	10kØ	1.2Mt Ø	102	250mt	100	07		A173c	TO116
90▼	monoOP10CY*	30	150m	1.5u	1.6m	8.0n	9.0n	26	8.0M	24	10kØ	1.2Mt Ø	102	250mt	100	07			TO116
91	3134-12C	30	150m	2.0u	500u§		10n§	20	500kt	20	10m	1.0MØ	120	900m	100	28			MP5ca
92	3145-15	30	150m	2.0u	500u§		10n§	20	500kt	20	40m	1.0MØ	120	900m	100 †	28			MP287c
93	146K	30	150m	2.0u	700uΔ	10p§	20p§	20	100G	20	40m	5.0Mt Ø	100	10	80 †	16			MP5ac
94	AMU5T7725393	30	150m	2.0ut	3.5m	50nØ	250nØ	27	3.0Mt	24	10kØ		87		96	07		A071	TO99
95	LM725C	30	150m	2.0ut	3.5m	50n	250n	27	1.5Mt	20	2.0kØ		107		94	07			TO99
96	uA725-5T-393	30	150m	2.0ut	3.5m	50nØ	250nØ	27	1.5Mt	20	2.0kØ		107		94	07		A107	CN1f
97	uA725-6A-393	30	150m	2.0ut	3.5m	50n	200n	27	1.5Mt	24	10kØ		88		90	07		A107	MP14v
98	ZEL1-02	30	150m	2.5u	Δ	10n	50n	20	1.0M	20	10m	1.5M§	112	6.0	86	28			MP6g
99	3129-15	30	150m	3.0u	1.0m§		10p§	20	100Gt	20	40m	1.0MØ	100	6.0	60 †	28			MP287a
100	MCC1539	30	150m	3.0ut§	3.0m§	60n§	500n§	24 †	300kt	20	1.0kØ	50kt	93	4.2 †	110 †	5C		A037	FC4
101	MC1539G	30	150m	3.0ut	4.0m	75n	700nØ	22	150k	20	1.0kØ	20k	87	4.2 †	80	5C		A037	TO99
102	MC1539L	30	150m	3.0ut	4.0m	75n	700nØ	22	150k	20	1.0kØ	20k	87	4.2 †	80	5C		A037	MP139a
103	SSS725CJ	30	150m	4.5u	1.6m	25nØ	180nØ	27	500k	24	10kØ	1.0MØt	114	7.5mt	100	07		A174a	TO99
104	SSS725CP	30	150m	4.5u	1.6m	25nØ	180nØ	27	500k	24	10kØ	1.0MØt	114	7.5mt	100	07		A173c	TO116
105	3268-14	30	150m	5.0u			50n§	20	1.0Mt	20	40m	1.0MØ	114	6.0	86	28			MP5aw
106	ZEL1-03	30	150m	5.0u	Δ	10n	50n	20	1.0M	20	10m	1.5M§	112	6.0	86	28			MP6g
107	H9020A	30	150m	5.0u	.37mΔ	60n	.15u	20	500k	20	70m	2.5M	95	2.2 †	90	4A			MP5ac
108	H9020B	30	150m	5.0u	.37mΔ	60n	.15u	20	500k	20	70m	2.5M	95	2.2 †	90	4A			MP2d
109	3007-15C	30	150m	5.0u	500u§		20n§	20	500kt	20	10m	1.2MØ	94	1.2	80 †	28			MP287a
110	3357-15	30	150m	5.0u	500u§		10n§	20	500kt	20	40m	1.0MØ	120	900m	100 †	28			MP287c

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	3358-12C	30	150m	5.0u	500u§		10n§	20	500k†	20	10m	1.0MØ	120	900m	100	28		MP5ca
2	H9000A	30	150m	5.0u	.50mΔ	65n	.25u	20	500k	20	200m	15M	95	10 †	90	5C		MP5ac
3	1556-15	30	150m	5.0u	1.0m§		10p§	20	100G†	20	40m	1.0MØ	100	6.0	60 †	28		MP287a
4	3020-15	30	150m	5.0u	1.0m§		10n§	20	500k†	20	20m	1.2MØ	104	1.2	80 †	28		MP287a
5▼	LH0062CD	30	150m†	5.0u§†	1.0m§†	1.0p§†	5.0p§†	30	1.0T†	26 †	20m†	100 †	100 †	90 †	70	28	A219	TO116
6▼	LH0062CH	30	150m†	5.0u§†	1.0m§†	1.0p§†	5.0p§†	30	1.0T†	26 †	20m†	100 †	100 †	90 †	70	28	A219	CN1f
7▼	LH0062D883	30	150m†	5.0u§†	1.0m§†	1.0p§†	5.0p§†	30	1.0T†	26 †	20m†	100 †	100 †	90 †	80	5C	A219	MP148
8▼	LH0062D	30	150m†	5.0u§†	1.0m§†	1.0p§†	5.0p§†	30	1.0T†	26 †	20m†	100 †	100 †	90 †	80	5C	A219	MP148
9▼	LH0062H883	30	150m†	5.0u§†	1.0m§†	1.0p§†	5.0p§†	30	1.0T†	26 †	20m†	100 †	100 †	90 †	80	5C	A219	CN1f
10▼	LH0062H	30	150m†	5.0u§†	1.0m§†	1.0p§†	5.0p§†	30	1.0T†	26 †	20m†	100 †	100 †	90 †	80	5C	A219	CN1f
11	RC725T	30	150m	5.0u†	2.5m	35n	125n	27	1.5M†	20	2.0kØ		130		120 †	07	A107	TO99
12	811BE	30	150m	5.0u†§	10m§	250n	1.5u	20	100k	20	5.0kØ		80		70	5C	A021	TO99
13#	SFC2761C	30	150m†	6.0u	7.5m§	330n§	1.5u§	27	200k†	24	620 Ø		90 †	9.0 †	80	07	A125a	CN44
14#	SFC2761DC	30	150m†	6.0u	7.5m§	330n§	1.5u§	27	200k†	24	620 Ø		90 †	9.0 †	80	07	A125a	MP279
15	146J	30	150m	7.0u	700uΔ	10p§	30p§	20	100G	20	40m	5.0M†Ø	100	10	80 †	16		MP5ac
16	ZEL1-04	30	150m	10u	Δ	10n	50n	20	1.0M	20	10m	1.5M§	112	6.0	86	28		MP6g
17	1506-15	30	150m	10u	500u§		10n§	20	500k†	20	40m	1.2MØ	104	1.2	80 †	28		MP287a
18	1901-19	30	150m	10u	500u§		10n§	20	500k†	20	40m	1.0MØ	100	1.2	80 †	28		MP296
19	3019-15	30	150m	10u	500u§		10n§	20	500k†	20	40m	1.2MØ	104	1.2	80 †	28		MP287a
20	H9010A	30	150m	10u	.60mΔ	50n	.25u	20	150k	20	70m	2.5M	95	2.2 †	80	28		MP5ac
21	H9010B	30	150m	10u	.60mΔ	50n	.25u	20	150k	20	70m	2.5M	95	2.2 †	80	28		MP2d
22	3005-15	30	150m	10u	1.0m§		10n§	20	500k†	20	40m	1.2MØ	104	1.2	80 †	28		MP287a
23	3008-15C	30	150m	10u	1.0m§		30n§	20	500k†	20	10m	1.2MØ	94	1.2	80 †	28		MP287a
24	3021-15	30	150m	10u	1.0m§		20n§	20	500k†	20	20m	1.2MØ	104	1.2	80 †	28		MP287a
25	3130-15	30	150m	10u	1.0m§		20p§	20	100G†	20	40m	1.0MØ	100	6.0	60 †	28		MP287a
26	H6000	30	150m	10u	1.0mΔ	13n	60n	20	4.0M	20	5.0m	3.5M	90	1.6 †	75	5C		MP6e
27	H6000A	30	150m	10u	1.0mΔ	13n	60n	20	4.0M	20	5.0m	3.5M	90	1.6 †	75	5C		MP5n
28	603	30	150m	10u§	2.0m§Δ		10n§		200k†	22 †	40m†	1.0MØ†	106 †	700m†		28		MP6
29	604	30	150m	10u§	2.0m§Δ		10n§		200k†	22 †	40m†	40MØ†	106 †	30 †		28		MP6
30	703	30	150m	10u§	2.0m§Δ		30p§		100G†	22 †	40m†	1.0MØ†	106 †	700m†		28		MP8b
31	1616	30	150m†	15u	Δ	10n†	20n	20 †	200k†	20	20m	1.5MØ	100	1.5	86	28		MP5y
32	1552-15	30	150m	15u	1.0m§		50p§	20	100G†	20	40m	1.0MØ	100	6.0	60 †	28		MP287a
33	MC1558G*	30	150m	15u†	6.0m	500n	1.5u	24	300k	24	10kØ	14k†	93	800m†	70	5C	A014	TO99
34	MC1558L*	30	150m	15u†	6.0m	500n	1.5u	24	300k	24	10kØ	14k†	93	800m†	70	5C	A014	MP139a
35▼#	SFC2458M*	30	150m	15u†	6.0m	500n	1.5u	24	300k	24	10kØ	14k†	93	800m†	70	5C	A014	TO99
36	monoOP08CJ	30	150m	18u	9.5m	700n	2.0n	24	50M	24	10kØ	1.0MØ†	89	15m†	90	07	A174a	TO99
37	monoOP08CP	30	150m	18u	9.5m	700n	2.0n	24	50M	24	10kØ	1.0MØ†	89	15m†	90	07		TO116
38	162	30	150m	20u§	Δ	10p§	50p§	20	1.0M	20	8.0m	4.0M§	86	5.0	73	28		MP57
39	3269-14	30	150m	20u			50n§	20	1.0M†	20	40m	1.0MØ	114	6.0	86	28		MP5aw
40	3317-14	30	150m	20u			20p§	20	100G†	20	40m	3.0MØ	106	6.0	66 †	28		MP5au
41	3322-14	30	150m	20u			20p§	20	100G†	20	40m	3.0MØ	106	6.0	100 †	28		MP5au
42	A101	30	150m†	20u§	Δ	50n§	200n§	20	250k†	20	10m	1.0M§	83	1.2 †	90 †	28		MP5bj
43	A103	30	150m†	20u☑	Δ		40p§	20	100G†	20	10m	2.0MØ	100	10	100	28	A053	MP5f
44	ZEL1	30	150m†	20u	Δ		50n§	20	1.0M†	20	10m	1.5M†Ø	113	6.0	86	28		MP6g
45	ZEL1AC	30	150m†	20u	Δ		50n§	20	1.0M†	20	40m	1.5M†Ø	113	4.5	86	28		MP5bq
46	ZEL1C	30	150m†	20u	Δ		50n§	20	1.0M†	20	40m	1.5M†Ø	113	4.5	86	28		MP6g
47	3006-15	30	150m	20u	1.5m§		20n§	20	500k†	20	40m	1.2MØ	104	1.2	80 †	28		MP287a
48	602	30	150m	20u§	2.0m§Δ		1.0n§		1.0M†	22 †	40m†	500kØ†	103 †	200m†		28		MP6
49	702	30	150m	20u§	2.0m§Δ		30p§		100G†	22 †	40m†	500kØ†	103 †	200m†		28		MP8b
50	704	30	150m	20u§	2.0m§Δ		30p§		100G†	22 †	40m†	40MØ†	106 †	30 †		28		MP8b
51	3022-15	30	150m	20u	2.0m§		30n§	20	500k†	20	20m	1.2MØ	104	1.2	80 †	28		MP287a
52	3009-15C	30	150m	20u	3.0m§		40n§	20	500k†	20	10m	1.2MØ	94	1.2	80 †	28		MP287a
53	ADO40	30	150m	20u	5.0mΔ§	10n§	45n§	20	300k	20	40m	1.8M§	98	600m	86	28	A054	MP4a
54	1028	30	150m	20u	10m§†	3.0n§†	35n§	20	1.0M†	20	10m	1.0MØ	108	6.0	80	28		MP5bu
55	8503	30	150m†	25u§	1.0m§		10pt§	20	100G†	20 †	15m†	3.0M†Ø	106 †	7.0 †	80	07	A128	MP173
56	8504	30	150m†	25u§	1.0m§		5.0pt§	20	100G†	20 †	15m†	3.0M†Ø	106 †	7.0 †	80	07	A128	MP173
57	8505	30	150m†	25u§	1.0m§		5.0pt§	20	100G†	20 †	15m†	4.0M†Ø	106 †	10 †	86	07	A128	MP173
58	8506	30	150m†	25u§	1.0m§		5.0pt§	20	100G†	20 †	15m†	4.0M†Ø	106 †	15 †	94	07	A128	MP173
59	9503	30	150m†	25u§	1.0m§		10pt§	20	100G†	20 †	15m†	3.0M†Ø	106 †	7.0 †	80	28	A128	CN2
60	9504	30	150m†	25u§	1.0m§		5.0pt§	20	100G†	20 †	15m†	3.0M†Ø	106 †	7.0 †	80	28	A128	CN2
61	9505	30	150m†	25u§	1.0m§		5.0pt§	20	100G†	20 †	15m†	4.0M†Ø	106 †	10 †	86	28	A128	CN2
62	9506	30	150m†	25u§	1.0m†		5.0pt§	20	100G†	20 †	15m†	4.0M†Ø	106 †	15 †	94	28	A128	CN2
63	A127	30	150m†	25u☑	1.0m§Δ		100f§	20	10T†	20	10m	100kØ	106	200m	100 †	28	A097	MP5bq
64	H7000	30	150m	25u	2.5mΔ	50p	100p§	20	100k	20	6.6m†	2.0M	86	2.0 †	65	5C		MP6e
65	H7000A	30	150m	25u	2.5mΔ	50p	100p§	20	100k	20	6.6m†	2.0M	86	2.0 †	65	5C		MP5n
66	9718	30	150m	30u	10m	15p	50p	20	1.0T	20	20m	40M§	94	100	20	58		MP6p
67	9721	30	150m†	30u	10mΔ	15p	50p	20	1.0T	20 †	20m	1.0MØ	110	10 †	20	58		MP6q
68	ADO41	30	150m	40u	Δ§	10n§	45n§	20	300k	20	40m	1.8M§	98	600m	86	28	A054	MP4a
69	ADO44	30	150m	40u	Δ§	10n†§	100n§	10	200k	20	2.0m	450k§	77	200m	74 †	28	A053	MP42a
70	1021	30	150m	50u	Δ	10p§		20	100G†	20	40m	2.0MØ	100	6.0 †	100 †	28		MP5ba
71	3318-14	30	150m	50u			50p§	20	100G†	20	40m	3.0MØ	106	6.0	66 †	28		MP5au
72	3323-14	30	150m	50u			50p§	20	100G†	20	40m	3.0MØ	106	6.0	100 †	28		MP5au
73	A100	30	150m†	50u☑	Δ		20p§	20	100G	20	5.0m	2.0MØ	100	10	60 †	28		MP5f
74	A102	30	150m†	50u☑	Δ		40p§	20	100G†	20	10m	2.0MØ	100	10	100	28	A053	MP5f
75	A126	30	150m†	50u☑	1.0m§Δ		100f§	20	10T†	20	10m	100kØ	106	200m	100 †	28	A097	MP5bq
76	8502	30	150m†	50u§	2.0m§		10pt§	20	100G†	20 †	10m†	1.5M†Ø	106 †	5.0 †	74	07	A128	MP173
77	9502	30	150m†	50u§	2.0m§		10pt§	20	100G†	20 †	10m†	1.5M†Ø	106 †	5.0 †	74	28	A128	CN2
78	809BE	30	150m	50u§	10m§	500n	1.5u	20	100k	20	5.0kØ	300 †	80		70	5C	A019	TO99
79	809BH	30	150m	50u§	10m§	500n	1.5u	20	100k	20	5.0kØ	300 †	80		70	5C	A019	FP5
80	810BH	30	150m	50u§	10m§	.10u§	1.5u	20	100k	20	5.0kØ	1.0k†	80		90 †	5C	A021a	FP6
81	8501	30	150m†	75u§	2.0m§		10pt§	20	100G†	20 †	10m†	1.5M†Ø	106 †	5.0 †	74	07	A128	MP173
82	9501	30	150m†	75u§	2.0m§		10pt§	20	100G†	20 †	10m†	1.5M†Ø	106 †	5.0 †	74	28	A128	CN2
83	TOA1740V	30	156m		20n§	40n§†	200p§	20	1.0T†	24	10kØ	3.0MØ†	88	6.0 †	64	5C	A131	TO99
84	ICL8007MTA	30	156m		30m	500f§†		20	10T	24	10kØ	1.0M†Ø	93	6.0 †	70	5C	A131	CN1f
85	S5740T	30	156m		30m	185p†		20	1.0T†	20	2.0kØ	3.0MØ†	93	6.0 †	64	5C		CN1g
86	uA740-5B-312	30	156m		30m	185pt☑		20	1.0T†	20	2.0kØ	3.0MΩ†	93	6.0 †	64	5C	A131	TO99
87	MCC1709	30	165m		5.0m§	200n§	500n§	20 †	400k†	24	10kØ		87	250m†	90 †	5C	A003	FC9
88▼	MCCF1709	30	165m		5.0m§	200n§	500n§	20 †	400k†	24	10kØ		88	12 †	90 †	5C	A043	FC21
89	LM709H883	30	165m		6.0m	500n	1.5u	16		24	10kØ		88		70	5C		TO99
90#	TAA522%	30	165m	3.0u	1.0m	50n	200n	10	100k	14	10kØ		93		90	5C	A043	TO99
91	709BE	30	165m	3.0u†	6.0m	500n	1.5u	16	150k	24	10kØ	1.0MØ	88		70	5C	A043	TO99
92	709BH	30	165m	3.0u†	6.0m	500n	1.5u	16	150k	24	10kØ	1.0MØ	88		70	5C	A043	FP☑
93	MC1709F	30	165m	3.0u†	6.0m	200n§	500n§	16	150k	24	10kØ	10k	88	250m†	70	5C	A043	TO91
94	MC1709G	30	165m	3.0u†	6.0m	200n§	500n§	16	150k	24	10kØ	10k	88	250m†	70	5C	A043	TO99
95	MC1709L	30	165m	3.0u†	6.0m	200n§	500n§	16	150k	24	10kØ	10k	88	250m†	70	5C	A043	MP139a
96	MCB1709F	30	165m	3.0u†	6.0m	500n☑	1.5u☑	16	150k	24	10kØ		87	250m†	70	5C	A003	FP21
97	MCBC1709	30	165m	3.0u†	6.0m	500n☑	1.5u☑	16	150k	24	10kØ		87	250m†	70	5C	A003	FC1
98	MIC709-1	30	165m	3.0u†	6.0m	.50u	1.5u	16	150k	24	10kØ	10k	88	200 Ø	70	5C	A003	CN1
99#	MT709	30	165m	3.0u†	6.0m	500n☑	1.5u☑	16	150k	24	10kØ		87	250m†	70	5C	A003	CN1c
100#	SFC2709EM	30	165m	3.0u§†	6.0m	500n☑	1.5u☑	16	150k	24	10kØ		87	250m†	70	5C	A003	TO116
101#	SFC2709PM	30	165m	3.0u	6.0m	500n☑	1.5u☑	16	150k	24	10kØ		87	250m†	70	5C	A003	TO91
102	SN52709L	30	165m	3.0u†	6.0m	500n	1.5u	16	150k	24	10kØ		93		70	5C	A003	TO99
103	SN52709N	30	165m	3.0u†	6.0m	500n	1.5u	16	150k	24	10kØ		93		70	5C	A003	MP39h
104	SN52709P	30	165m	3.0u†	6.0m	500n	1.5u	16	150k	24	10kØ		93		70	5C	A003	MP161
105	SN52709S	30	165m	3.0u†	6.0m	500n	1.5u	16	150k	24	10kØ		93		70	5C	A003	TO89
106	709-1-5B	30	165m	6.0u†	6.0m	.50u	1.5u	16	150k	24	10kØ	10k†	88	.70	70	5C	A003	TO99
107	LA709F	30	165m	6.0u†	6.0m	500n	1.5u	16	150k	20	2.0kØ	1.0MØ	87		70	5C	A003	TO91
108	LA709H	30	165m	6.0u†	6.0m	500n☑	1.5u☑	16	150k	20	2.0kØ	1.0MØ	87		70	5C	A003	CN1c
109	LM709H	30	165m	6.0u†	6.0m	500n	1.5u	16	150k	24		1.0MØ	88	250m†	70	5C	A003	CN1a
110	LTA709	30	165m	6.0u†	6.0m	500n☑	1.5u☑	16	150k	24	10kØ		87		70	5C		MP255

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1	S5709G	30	165m	6.0u†	6.0m	.50u	1.5u	16	150k	24	10kØ		88		70	5C	A043	TO91
2	S5709T	30	165m	6.0u†	6.0m	.50u	1.5u	16	150k	24	10kØ		88		70	5C	A043	TO99
3#	TL1709	30	165m	6.0u†	6.0m	500n☑	1.5u☑	16	150k	24	10kØ	10k	88	250m†	70	5C	A043	TO99
4	TOA1709F	30	165m	6.0u†	6.0m	.50u	1.5u	16	150k	24	10kØ	10k	88	.30 †	70	5C	A003	TO91
5	TOA1709J	30	165m	6.0u†	6.0m	500n	1.5u	16	150k	24	10kØ	10k	88	300m†	70	5C	A003	TO116
6	TOA1709V	30	165m	6.0u†	6.0m	500n	1.5u	16	150k	24	10kØ	10k	88	300m†	70	5C	A003	TO99
7	TOA3709F	30	165m	6.0u†	6.0m	.50u	1.5u	16	150k	24	10kØ	10k	88	.30 †	70	07	A003	TO91
8	TOA3709J	30	165m	6.0u†	6.0m	500n	1.5u	16	150k	24	10kØ	10k	88	500m†	70	07	A003	TO116
9	TOA3709V	30	165m	6.0u†	6.0m	500n	1.5u	16	150k	24	10kØ	10k	88	300m†	70	07	A003	TO99
10	TOA7709F	30	165m	6.0u†	6.0m	30n	90n	16	3.0M	24	10kØ	10k	88	.30 †	70	5C	A003	TO91
11	TOA7709J	30	165m	6.0u†	6.0m	30n	90n	16	3.0M	24	10kØ	10k	88	300m†	70	5C	A003	TO116
12	TOA7709V	30	165m	6.0u†	6.0m	30n	90n	16	3.0M	24	10kØ	10k	88	300m†	70	5C	A003	TO99
13	TOA7809F	30	165m	6.0u†	6.0m	6.0n	12n	16	25M	24	10kØ	10k	88	.30 †	70	5C	A003	TO91
14	TOA7809J	30	165m	6.0u†	6.0m	6.0n	12n	16	25M	24	10kØ	10k	88	300m†	70	5C	A003	TO116
15	TOA7809V	30	165m	6.0u†	6.0m	6.0n	12n	16	25M	24	10kØ	10k	88	300m†	70	5C	A003	TO99
16	uA709-3F-312	30	165m	6.0u†	6.0m	500n	1.5u	16	150k	24	10kØ	10kt	88	700m	70	5C	A003	TO91
17	uA709-5B-312	30	165m	6.0u†	6.0m	500n	1.5u	16	150k	24	10kØ	10kt	88	700m	70	5C	A003	TO99
18	uA709-6A-312	30	165m	6.0u†	6.0m	500n	1.5u	16	150k	24	10kØ	10kt	88	700m	70	5C	A003	MP14v
19#	ZLD709	30	165m	6.0u†	6.0m	500n§	1.5u	16	150k	20			87		70	5C	A081	TO78
20#	ZLD709F	30	165m	6.0u†	6.0m	500n§	1.5u	16	150k	20			87		70	5C	A081	FP2j
21	LM102	30 ♦	165m	6.0u†	7.5m	.10u			10G	20		1.0MØ		10		5C	A002	CN1a
22	LM102F883	30 ♦	165m	6.0u†	7.5m		10n	30	10G	20		1.0MØ	0.0	10		5C	A002	FP2
23	LM102H883	30 ♦	165m	6.0u†	7.5m		10n	30	10G	20		1.0MØ	0.0	10		5C	A002	CN1a
24	SG102T	30	165m	6.0u†§	7.5m	10u			10G	20	8.0kØ	1.0M		10		5C	A002	TO99
25	1702-01	30	165m	10u	5.0m§	2.0f§	5.0f§	200	300Gt	20	10m	1.0kØt	100	3.0mt	100	07		MP5bw
26	LM709C	30	165m	12u†	10m	.40u	2.0u	16	50k	24		1.0MØ	84	.25 †	65	07	A003	CN1a
27	LM709CN	30	165m	12u†	10m	400n	2.0u	16	50k	24	5.0m	1.0MØ	84	250m	65	07	A003	MP39
28	LM202	30	165m	15u†§	15m	50n			10G	20		1.0MØ	0.0	10		28	A002	CN1a
29	LM202F	30	165m	15u†§	15m	50n			10G	26 †		1.0MØ	0.0	10		07		
30	SG202T	30	165m	15u†§	15m	50n			10G	20	8.0kØ	1.0M	0.0	10		28	A002	TO99
31	40K	30	165m	20u	Δ	10p§	20p§	20	100G	20	5.0m	100k	94	6.0	80	28		MP5k
32	LM302F	30 ♦	165m	20ut§	20m		30n	30	1.0G	20		1.0MØ	0.0	10		07	A002	FP2
33	SG302T	30	165m	20ut§	20m		30n	30	1.0G	20	8.0kØ	1.0M	0.0	10		07	A002	TO99
34	228	30	165m	25u	1.0m		5.0p	22	100G	20	4.0m	12M	90	60	90			CN2
35	H7020A	30	165m	25u	1.8mΔ	20p	50p	10	100k	20	16m	2.0M	86	6.5 †	65	4A		MP5ab
36	H7020B	30	165m	25u	1.8mΔ	20p	50p	10	100k	16	2.0M	86k	6.5 †		65	4A		MP2c
37	43J	30	165m	30u	2.0m§Δ	300p☑	10p§	22	100Gt	20	10m	4.0Mt	106	6.0	80	28		MP5bn
38	H7010A	30	165m	30u	3.0mΔ	20p	50p	10	10M	20	16m	2.0M	86	6.5 †	55	28		MP5ab
39	H7010B	30	165m	30u	3.0mΔ	20p	50p	10	10M	20	16m	2.0M	86	6.5 †	55	28		MP2c
40	1702	30	165m	30u	5.0m§	2.0f§	5.0f§	200	300Gt	20	10m	1.0kØt	100	3.0mt	100	07		MP5bw
41	P65A	30	165m	36u☑	Δ	300n☑		20 †	300kt	22 †	4.4mt	1.5MØ	105	1.5	60	28		CB1
42	PP65A	30	165m	36u☑	Δ	300n☑		20 Δ	300k	22	4.4m	1.5MØ	105	1.5	60	28	A034	MP6a
43	40J	30	165m	50u	Δ	25p§	50p§	20	100G	20	5.0m	100k	94	6.0	80	28		MP5k
44	SN52558P	30	168m		6.0m	500n	1.5u	24	300k	24	80m	1.0MtØ	94	500mt	70	5C	A182	MP267
45	LM1458H*	30	168m		7.5m	300n	800n	24	300k	24	10kØ		86		70	07	A042p	CN1d
46	LM1458N*	30	168m		7.5m	300n	800n	24	300k	24	10kØ		86		70	07	A042p	MP189
47	SN72558P	30	168m		7.5m	300n	800n	24	300k	24	80m	1.0MtØ	86	500mt	70	07	A182	MP267
48	RM747D	30	170m		5.0m	500n	1.5u	24	1.0Mt	24	10kØ		94	500mt	70	5C	A042q	MP40
49	RM747T	30	170m		5.0m	500n	1.5u	24	1.0Mt	24	10kØ		94	500mt	70	5C	A042q	TO99
50	MCC1458*	30	170m		6.0m§	200n§	500n§	26 †	1.0Mt	24	10kØ	1.1MtØ	86	800mt	90 †	5C	A014	FC5
51▼	MCCF1458	30	170m		6.0m§	200n§	500n§	26 †	1.0Mt	24	10kØ	14kt	86	800mt	90 †	07	A140a	FC20
52	RC747D	30	170m		6.0m	500n	1.5u	24	1.0Mt	24	10kØ		94	500mt	70	07	A042q	MP40
53	RC747DP	30	170m		6.0m	500n	1.5u	24	1.0Mt	24	10kØ		94	500mt	70	07	A042q	MP40
54	RC747T	30	170m		6.0m	500n	1.5u	24	1.0Mt	24	10kØ		94	500mt	70	07	A042q	TO99
55▼	RM4558DN	30	170m		6.0m	500n	1.5n	24	30	20	2.0kØ		93	500mt	70	5C	A212	MP189
56♦	RM4558T	30	170m		6.0m	500n	1.5n	24	30	20	2.0kØ		93	500mt	70	5C	A212	TO99
57	SN52558L	30	170m		6.0m	500n	1.5u	24	300k	24	10kØ	1.0MtØ	94	500mt	70	5c	A182	TO99
58	N5558A	30	170m		7.5m	300n	800n	24	300k	24	2.0kØ	1.1MØt	106	800mt	70	07	A140	MP153
59	N5558T*	30	170m		7.5m	300n	800n	24	300k	24	10kØ	1.1MtØ	86	800mt	70	07	A140	CN1g
60	N5558V*	30	170m		7.5m	300n	800n	24	300k	24	10kØ	1.1MtØ	86	800mt	70	07	A140	MP216
61♦	RC4558DN	30	170m		7.5m	300n	800n	24	30	20	2.0kØ		86	500mt	70	07	A212	MP189
62♦	RC4558T	30	170m		7.5m	300n	800n	24	30	20	2.0kØ		86	500mt	70	07	A212	TO99
63	SN72558L	30	170m		7.5m	300n	800n	24	300k	24	10kØ	1.0MtØ	86	500mt	70	07	A182	TO99
64	MC1533F	30	170m	8.0u†	6.0m	500n	3.0u	17 §	500k	24	10kØ	4.0k	92	6.2 †	90	5C	A033	TO91
65	MC1533G	30	170m	8.0u†	6.0m	500n	3.0u	17 §	500k	24	10kØ	4.0k	92	6.2 †	90	5C	A033	CN10j
66	MC1533L	30	170m	8.0u†	6.0m	500n	3.0u	17 §	500k	24	10kØ	4.0k	92	6.2 †	90	5C	A033	MP139a
67	MC1458G*	30	170m	15u†	7.5m	300n	800n	24	300k	24	10kØ	14kt	86	800mt	70	07	A014	TO99
68	MC1458L*	30	170m	15u†	7.5m	300n	800n	24	300k	24	10kØ	14kt	86	800mt	70	07	A014	MP139a
69	MC1458P1*	30	170m	15u†	7.5m	300n	800n	24	300k	24	10kØ	14kt	86	800mt	70	07	A014	MP161
70	MC1458P2*	30	170m	15u†	7.5m	300n	800n	24	300k	24	10kØ	14kt	86	800mt	70	07	A014	MP25c
71	1018	30	180m		1.0m	2.0n§	2.0n§	20	2.0M	20	5.0m	500kØ	100	300n	90	28		MP5c
72	SE516G	30	180m		10m	60n§t	2.0u	8.0 §	100k	20	2.0kØ	300kØ	83		100 †	5C	A058	TO91
73	SE516K	30	180m		10m	60n§t	2.0u	8.0 §	100k	20	2.0kØ	300kØ	83		100 †	5C	A058	TO100
74	NE516A	30	180m		15m	600n	4.5u	8.0	40k	16	2.0kØ		80		100	07	A058	TO116
75	NE516G	30	180m		15m	.60u§	4.5u	8.0 §	40k	16	2.0kØ		80		100 †	07	A058	TO91
76	NE516K	30	180m		15m	.60u§	4.5u	8.0 §	40k	16	2.0kØ		80		100 †	07	A058	TO100
77	ICL8007CTA	30	180m		60m	500f§t		20	10T	24	10kØ	1.0MtØ	86	6.0 †	70	07	A131	CN1f
78	260K	30	180mt	100n☑	25ut§		300p§	40 Δ	80kt	20 †	10mt	100 †	133	100	109 †	28		MP5bh
79	3480K	30	180m	100n	25ut§		300p§	2.0	80kt	20	20m	100	140	100u	110 †	07		MP5cb
80	1018-02	30	180m	250n	100u	2.0n§	2.0n§	20	4.0M	20	5.0m	500kØ	110	300n	100	28		MP5c
81	260J	30	180mt	300n☑	25ut§		300p§	40 Δ	80kt	20 †	10mt	100 †	133	100	109 †	28		MP5bh
82	3480J	30	180m	300n	25ut§		300p§	2.0	80kt	20	20m	100	140	100u	110 †	07		MP5cb
83	1018-01	30	180m	500n	100u	2.0n§	2.0n§	20	4.0M	20	5.0m	500kØ	110	300n	100	28		MP5c
84	1018-04	30	180m	500n	100u	2.0n§	2.0n§	20	4.0M	20	5.0m	500kØ	110	300n	100	28		MP5c
85	A188	30	180m	500n	150u§		10n§	20	600k	20	10m	400kØ	114	200m	100	28	A044	MP5cc
86	ADO72A	30	180m	500n☑	150uΔ§	20n§	20n§	19 §	600k	24	10m	400k§	113	200m	108	28	A044	MP42
87	ADO72B	30	180m	1.0u☑	150uΔ§	20n§	20n§	19 §	600k	24	10m	400k§	113	200m	108	28	A044	MP42
88	3420L	30	180m	1.0u	1.0mΔ	500ft	1.0p	20	100Gt	20	20m	1.0MØ	106	1.0	90 †	07		MP5f
89	1018-03	30	180m	1.5u	250u	2.0n§	2.0n§	20	4.0M	20	5.0m	500kØ	110	300n	100	28		MP5c
90	171C	30	180m	2.0u	Δ	5.0p	10p	20	1.0T	1.0T	20m	200k	106	15	80	28		MP199a
91	1023-01	30	180m	2.0u	700u§		10p§	20	100G	20	40m	2.0MØ	100	6.0	100	16		MP162
92	3420K	30	180m	2.0u	1.0m	2.0pt	4.0p	20	100Gt	20	20m	1.0MØ	106	1.0	90 †	07		MP5f
93	3241-12C	30	180m	3.0u	1.0m§		10p§	20	100Gt	20	20m	1.0MØ	90	6.0	60 †	28		MP5by
94	uA749-6A-312*	30	180mt	3.0ut	1.0mt	50nt	300nt	30 Δ	150kt	28	2.5kØ	10M	86 †	2.0 †	90 †	5C	A113	MP14v
95	uA749-6A-393	30	180mt	3.0ut	1.0mt	50nt	300nt	30 Δ	150kt	28	2.5kØ	10M	86 †	2.0 †	90 †	07	A113	MP14v
96	3054S01	30	180m	3.0u§	3.2m	30n§	440n	22	300kt	20	10m	1.0MØ	93	1.2	90	5C		CN1c
97	3050S01	30	180m	3.0u§	3.3m	30n§	460n	22	300kt	20	10m	1.0MØ	93	1.2	90	5C		CN1c
98	1003	30	180m	4.0u	Δ	5.0pt§	10p§	16	100Gt	20	20m	1.5MØ	106	6.0	120	28		
99	171B	30	180m	5.0u	Δ	5.0p	10p	20	1.0T	1.0T	20m	200k	106	15	80	28		MP199a
100	1003-01	30	180m	5.0u	300u§		5.0p§	20	100Gt	20	40m	1.5MØ	107	5.0	109	28		MP8b
101	3352-03	30	180m	5.0u	500u§		20n§	20	300kt	20	20m	1.0MØ	93	900m	80	28		MP58g
102	1023	30	180m	5.0u	700u§		10p§	20	100G	20	40m	2.0MØ	100	6.0	100	16		MP162
103	3114-12C	30	180m	5.0u	1.0m§		10p§	20	100Gt	20	20m	1.0MØ	90	6.0	60 †	28		MP5by
104	3420J	30	180m	5.0u	1.0mΔ	5.0pt	10p	20	100Gt	20	20m	1.0MØ	106	1.0	90 †	07		MP5f
105	171A	30	180m	10u	Δ	5.0p	20p	20	1.0T	1.0T	20m	200k	106	15	80	28		MP199a
106	PP65AHU	30	180m	10ut§	Δ	10nt§	300n	20	600k	22	4.4m	20MØ	105	5.0	60	28		MP6b
107	3068-17	30	180m	10u	500u§		10n§	20	500kt	20	20m	1.0MØ	94	1.2	80	28		MP287b
108	3062-15	30 ♦	180m	10u	1.0m§		20p§	54	100Gt	54	20m	1.0MØ	106	6.0	106 †	28		MP287a
109	605Δ	30	180m	10u§	2.0m§		50n§		200k	22	50m	50MØ	113	40		28		MP6
110	606	30	180m	10u§	2.0m§Δ		10n§		200kt	22 †	50mt	50MØt	120 †	50 †		28		MP6

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1	705	30	180m	10u§	2.0m§Δ		30p§		100Gt	22 †	50mt	50MØ†	113 †	40 †		28		MP8b
2	706	30	180m	10u§	2.0m§Δ		30p§		100Gt	22 †	50mt	50MØ†	120 †	50 †		28		MP8b
3	3052A/01	30	180m	10u	2.0mt§	20nt§	.30ut§	22 Δ	300kt	20	20m	1.5MtØ	96 †	1.2	100 †	5C		CN1a
4	3056A/01	30	180m	10u	2.0mt§	20nt§	.30ut§	22 Δ	300kt	20	10m	1.2MtØ	96 †	1.0	100 †	28		CN1a
5	3226-03	30	180m	15u	500u§		50n§	20	300kt	20	20m	1.0MØ	93	900m	80	28		MP58g
6	3115-12C	30	180m	15u	1.0m§		20p§	20	100Gt	20	20m	1.0MØ	90	6.0	60 †	28		MP5by
7	2709BG	30	180m	15ut§	4.0mt	100p§	100p§	16	100M	20	10kØ		84		60	5C		CNØ
8	10Q1ARQ	30	180mt	20uØt	Δ		25n§	20	400k	22	4.4m	5.0MØ	92	30 Ø	74	58		MP6j
9	10Q1ARQA	30	180mt	20uØt	Δ		25n§	20	400k	22	4.4m	5.0MØ	92	30 Ø	74	58		MP6k
10	10Q6ARQ	30	180mt	20uØt	Δ		25n§	20	400k	22	4.4m	2.0MØ	92	20 Ø	74	58		MP6j
11	10Q6ARQA	30	180mt	20uØt	Δ		25n§	20	400k	22	4.4m	2.0MØ	92	20 Ø	74	58		MP6k
12	10Q6ARQB	30	180mt	20uØt	Δ		25n§	20	400k	22	4.4m	2.0MØ	92	20 Ø	74	58		MP6k
13	10Q9ARQ	30	180mt	20uØt	Δ		25n§	20	1.0M	22	4.4m	500kØ	86	5.0 Ø	74	58		MP6j
14	10Q9ARQA	30	180mt	20uØt	Δ		25n§	20	1.0M	22	4.4m	500kØ	86	5.0 Ø	74	58		MP6k
15	10Q9ARQB	30	180mt	20uØt	Δ		25n§	20	1.0M	22	4.4m	500kØ	86	5.0 Ø	74	58		MP6k
16	HA2-2500	30	180m	20ut	8.0m	50n	400n	20	25M	20	20m	12MtØ	86	25	80	5c	A170	TO99
17	HA9-2500	30	180m	20ut	8.0m	50n	400n	20	25M	20	20m	12MtØ	86	25	80	5c	A170a	TO86
18	HA2-2502	30	180m	20ut	10m	100n	500n	20	20M	20	20m	12MtØ	83	20	74	5c	A170	TO99
19	HA2-2505	30	180m	20ut	10m	100n	250n	20	20M	20	20m	12MtØ	83	20	74	07	A170	TO99
20	HA9-2502	30	180m	20ut	10m	100n	500n	20	20M	20	20m	12MtØ	83	20	74	5c	A170a	TO86
21	HA9-2505	30	180m	20ut	10m	100n	250n	20	20M	20	20m	12MtØ	83	20	74	07	A170a	TO86
22	HA2-2510	30	180m	20ut	11m	50n	400n	20	50M	20	20m	12MtØ	80	50	80	5C	A170	TO99
23	HA2-2520	30	180m	20ut	11m	50n	400n	20	50M	20	20m	30MtØ	80	100	80	5c	A170	TO99
24	HA9-2510	30	180m	20ut	11m	50n	400n	20	50M	20	20m	12MtØ	80	50	80	5c	A170a	TO86
25	HA9-2520	30	180m	20ut	11m	50n	400n	20	50M	20	20m	30MtØ	80	100	80	5c	A170a	TO86
26	1557-15	30	180m	25u	2.0m§		100p§	20	100Gt	20	20m	800kØ	90	3.0	60 †	28		MP287a
27	2809BG	30	180m	25ut§	8.0mt	100p§	100p§	20	100M	20	5.0kØ		80		60	5C		CNØ
28▼	3503B	30	180m	25u	20m§	2.0pt§	10p§	22	100Gt	20	10m	1.0MtØ	90	2.5	86 †	28		TO99
29▼	3503S	30	180m	25u	20m§	2.0pt§	10p§	22	100Gt	20	10m	1.0MtØ	90	2.5	86 †	5C		TO99
30	3104A12C	30	180m	30u			100p§	20	100Gt	20	10m	1.0MØ	90	3.0	60 †	28		MP5f
31	3227-03	30	180m	30u	1.0m§		80n§	20	300kt	20	10m	1.0MØ	93	600m	80	28		MP58g
32	1752-17	30	180m	30u	2.0m§		50p§	20	100Gt	20	20m	1.0MØ	90	6.0	60 †	28		MP292
33	3116-12C	30	180m	30u	2.0m§		50p§	20	100Gt	20	20m	1.0MØ	90	6.0	60 †	28		MP5by
34	3053A/01	30	180m	30u	3.0mt§	30nt§	.40ut§	22 Δ	300kt	20	20m	1.2MtØ	93 †	1.0	100 †	5C		CN1a
35	3057A/01	30	180m	30u	3.0mt§	30nt§	.40ut§	22 Δ	200kt	20	10m	1.0MtØ	93 †	.60	100 †	28		CN1a
36▼	HA1-2400	30	180m	30u	7.0m	100n	400n	20	30M	20	10m	8.0M	94	15	80	5C		TO116
37▼	HA1-2404	30	180m	30u	7.0m	100n	400n	20	30M	20	10m	8.0M	94	15	80	28		TO116
38	1322	30	180m	30ut	10m§	50n§	250n§	20	40M	20	20m	20Mt§	80	80	70 †	07		TO99
39	1322-01	30	180m	30ut	10m§	50n§	250n§	20	40M	20	20m	20Mt§	80	80	70 †	5c		TO99
40▼	HA1-2405	30	180m	30u	11m	100n	400n	20	30M	20	10m	8.0M	94	15	74	07		TO116
41	HA2-2512	30	180m	30ut	14m	100n	500n	20	40M	20	20m	12MtØ	74	40	74	5c	A170	TO99
42	HA2-2515	30	180m	30ut	14m	100n	250n	20	40M	20	20m	12MtØ	77	40	74	07	A170	TO99
43	HA2-2522	30	180m	30ut	14m	100n	500n	20	40M	20	20m	30MtØ	73	80	74	5c	A170	TO99
44	HA2-2525	30	180m	30ut	14m	100n	250n	20	40M	20	20m	30MtØ	77	80	74	07	A170	TO99
45	HA9-2512	30	180m	30ut	14m	100n	500n	20	40M	20	20m	12MtØ	73	40	74	5c	A170a	TO86
46	HA9-2515	30	180m	30ut	14m	100n	250n	20	40M	20	20m	12MtØ	78	40	74	07	A170a	TO86
47	HA9-2522	30	180m	30ut	14m	100n	500n	20	40M	20	20m	30MtØ		80	74	5c	A170a	TO86
48	HA9-2525	30	180m	30ut	14m	100n	250n	20	40M	20	20m	30MtØ	78	80	74	07	A170a	TO86
49	10Q10ARQ	30	180mt	40uØt	Δ		15n§	20	20M	22	4.4m	1.0MØ	89	10 Ø	66	58		MP6j
50	10Q10ARQA	30	180mt	40uØt	Δ		15n§	20	20M	22	4.4m	1.0MØ	89	10 Ø	66	58		MP6k
51	10Q10ARQB	30	180mt	40uØt	Δ		15n§	20	20M	22	4.4m	1.0MØ	89	10 Ø	66	58		MP6k
52	1300	30	180m	40u	5m	30n§	1.0u	22	210k	20	4.0m	1.0MØ	80	600n	72	2A		MP39
53	1301	30	180m	40u	5m	30n§	1.0u	22	210k	20	4.0m	1.0MØ	80	600n	72	2A		CN1
54	1303	30	180m	40u	5m	30n§	1.0u	22	210k	20	4.0m	1.0MØ	80	600n	72	2A		MP39
55	3112-12C	30	180m	50u	4.0m§		100p§	20	100Gt	20	10m	1.0MØ	90	3.0	60 †	28		MP5by
56▼	HA2-2060A	30	180m	50u	15m	5.0n	10n	20	1.0G	20	10m	24M	98	25	74	5C		TO99
57▼	HA2-2065A	30	180m	50u	15m	500p	1.0n	20	1.0G	20	10m	24M	98	25	70	07		TO99
58▼	3503C	30	180m	50u	30m§	500ft§	1.0p§	22	100Gt	20	10m	1.0MtØ	90	2.5	86 †	28		TO99
59▼	3503T	30	180m	50u	30m§	500ft§	1.0p§	22	100Gt	20	10m	1.0MtØ	90	2.5	86 †	5C		TO99
60▼	HA2-2060	30	180m	50u	30m	5.0n	10n	20	1.0G	20	10m	24M	98	25	74	5C		TO99
61▼	HA2-2065	30	180m	50u	65m	500p	1.0n	20	1.0G	20	10m	24M	98	25	70	07		TO99
62	P65AU	30	180m	55u	Δ		100n	20	220k	22	4.4m	1.5MØ	98	1.5	60	28		CB1
63	PP65AU	30	180m	55u	Δ		1.2u	20	150k	22	4.4m	1.3MØ	98	600m	60	28		MP6a
64▼	3503A	30	180m	75u	50m§	5.0pt§	25p§	22	100Gt	20	10m	1.0MtØ	86	2.5	86 †	28		TO99
65▼	3503R	30	180m	75u	50m§	5.0pt§	25p§	22	100Gt	20	10m	1.0MtØ	90	2.5	86 †	5C		TO99
66	108C	30	192m	5.0u	Δ	2.0n§		20 Δ	4.0M	20	5.0m	500kØ	100	120m	80	48		MP6c
67	108B	30	192m	10u	Δ	2.0n§		20 Δ	4.0M	20	5.0m	500kØ	100	120m	80	48		MP6c
68	108A	30	192m	20u	Δ	2.0n§		20 Δ	4.0M	20	5.0m	500kØ	100	120m	80	48		MP6c
69	L120*	30	195m		200m		50n	30	200Gt	24	20kØ	3.0MØ	40	15 †	50	5C	A094	TO100
70	DA18	30	195m	2.0u	Δ	5.0n		22	600k	22	4.4m	1.5MØ	92 †	900m	96 †	5A		MP5h
71	DB18	30	195m	5.0u	Δ	5.0n		22	600k	22	4.4m	1.5MØ	92 †	900m	96 †	5A		MP5h
72	D18	30	195m	10u	Δ	5.0n		22	600k	22	4.4m	1.5MØ	92 †	900m	96 †	5A		MP5h
73	DC8	30	195m	10u	Δ	20n		22	200k	22	4.4m	5.0MØ	95 †	1.1	97 †	5A		MP5g
74	DC16	30	195m	10u	Δ	2.0n		22	40M	22	4.4m	1.0MØ	100 †	600m	110 †	5A		MP5h
75	D12	30	195m	15u	Δ	30n		22	200k	22	4.4m	1.0MØ	100 †	700m	74 †	28		MP5h
76	D8	30	195m	20u	Δ	20n		22	200k	22	4.4m	5.0MØ	95 †	1.1	97 †	5A		MP5g
77	D16	30	195m	20u	Δ	2.0n		22	40M	22	4.4m	1.0MØ	100 †	600m	110 †	5A		MP5h
78	D7	30	195m	25u	Δ	30n		22	200k	22	4.4m	1.0MØ	100 †	700m	74 †	28		MP5h
79	D3	30	195m	45u	Δ	6.0n		20	30M	22	4.4m	1.0MØ	100 †	600m	110 †	5A		MP5h
80#	MT709C	30	198m	6.0u	10m	750nØ	2.0uØ	16	50k	24	10kØ		83	250mt	65	07	A003	CN1c
81#	MT709CN	30	198m	6.0u	10m	750nØ	2.0uØ	16	50k	24	10kØ		83	250mt	65	07	A003	MP39e
82#	SFC2709EC	30	198m	6.0ut	10m	750nØ	2.0uØ	16	50k	24	10kØ		83	250mt	65	07	A003	TO116
83#	SFC2709PC	30	198m	6.0ut	10m	750nØ	2.0uØ	16	50k	24	10kØ		83	250mt	65	07	A003	TO91
84	LA709CH	30	198m	12ut	10m	750nØ	2.0uØ	16	50k	20	2.0kØ	1.0MØ	83		65	07	A003	CN1c
85	LA709CN	30	198m	12ut	10m	750nØ	2.0uØ	16	50k	20	2.0kØ	1.0MØ	83		65	07	A003	MP39
86#	SFC2709ET	30	198m	20u	7.5m	300n§	750n§	16	70k	24	10kØ		87	250mt	65	28	A003	TO116
87#	SFC2709PT	30	198m	20u	7.5m	300n§	750n§	16	70k	24	10kØ		87	250mt	65	28	A003	TO91
88#	SFC2709T	30	198m	20u	7.5m	300n§	750n§	16	70k	24	10kØ		87	250mt	65	28	A003	TO99
89	AD505JH	30	200m		5.0m		75n	22	2.0M	24	5.0m	12M	100	120				TO100
90	AD507JH	30	200m		5.0m	25n	25n	22	40M	24	5.0m	35M	96	20	74			TO99
91#	M51709T	30	200m		7.5m§	500n§	1.5u§	1.6	50k	24			83		65	27	A003	TO78
92	MCC1709C	30	200m		7.5m§	500n§	1.5u§	20 †	250kt	24	10kØ		83	250mt	90 †	5C	A003	FC9
93▼	MCCF1709C	30	200m		7.5m§	500n§	1.5u§	20 †	250kt	24	10kØ		83	12 †	90 †	07	A043	FC21
94	ULN2139D	30	200m		9.0m	115n	1.2u	22	100k	20	2.0kØ	10k	86	800m	80	59	A174e	TO99
95	ULN2139G	30	200m		9.0m	115n	1.2u	22	100k	20	2.0kØ	10k	86	800m	80	59	A172d	FPØ
96	ULN2139H	30	200m		9.0m	115n	1.2u	22	100k	20	2.0kØ	10k	86	800m	80	59	A173f	MPØ
97	ULN2139M	30	200m		9.0m	115n	1.2u	22	100k	20	2.0kØ	10k	86	800m	80	59	A200b	MPØ
98	709-9-5B	30	200m		10m	.75u	2.0u	16	50k	24	10kØ	10kt	83		65	07	A003	TO99
99	709-93-6E	30	200m		10m	.75u	2.0u	16	50k	24	10kØ	10kt	83		65	07	A003	MP39
100	709CE	30	200m		10m	1.5u§	500n§	16	50k	24	10kØ	1.0MØ	83		65	07	A043	TO99
101	709CH	30	200m		10m	1.5u§	500n§	16	50k	24	10kØ	1.0MØ	83		65	07	A043	FPØ
102	709CJ	30	200m		10m	1.5u§	500n§	16	50k	24	10kØ	1.0MØ	83		65	07	A043	MP147
103	LTA709C	30	200m		10m	750n	2.0u	16	50k	24	10kØ		81		65	07		MP255
104	N5709A	30	200m		10m	.75u	2.0u	16	50k	24	2.0kØ		83		65	07	A043	TO116
105	N5709G	30	200m		10m	.75u	2.0u	16	50k	24	2.0kØ		83		65	07	A043	TO91
106	N5709T	30	200m		10m	.75u	2.0u	16	50k	24	2.0kØ		83		65	07	A043	TO99
107	N5709V	30	200m		10m	750n	2.0u	16	50k	24	2.0kØ		83		65	07	A043	MP216
108	RC709D	30 ♦	200m		10m	750n	2.0u	20	250kt	24	10kØ		83		65	07	A003	MP40
109	RC709Q	30 ♦	200m		10m	750n	2.0u	20	250kt	24	10kØ		83		65	07	A003	FP2k
110	RC709T	30 ♦	200m		10m	750n	2.0u	20	250kt	24	10kØ		83		65	07	A003	TO99

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE				MIN.-@25°C		MIN. OUTPUT CHAR.@25°C		MIN TRANSFER CHAR @ 25°C				T C	DRAWINGS	
		[1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	E O M D P E -+	CKT.	OUT-LINE Δ=MO
1	SN72709L	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A003	TO99
2	SN72709N	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A003	MP39h
3	SN72709P	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A003	MP161
4	SN72709S	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A003	TO89
5	uA709-5B-393	30	200m		10m	750n	2.0u	16	50k	24	10kØ	10k†	83		65	07	A003	TO99
6	uA709-6A-393	30	200m		10m	750n	2.0u	16	50k	24	10kØ	10k†	83		65	07	A003	MP14v
7#	ZLD709C	30	200m		10m	750n	2.0u	16	50k	20			83		65	07	A081	TO78
8#	ZLD709CE	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A081	TO116
9#	ZLD709CF	30	200m		10m	750n	2.0u	16	50k	20			83		65		A081	FP2j
10#	ZLD709CG	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A081	FP2j
11	SN52709BL	30 ♦	200m		12m	1.2u	3.0u	16	50k	20	2.0kØ		84		65	5C	A003	CN1
12	SN52709BN	30 ♦	200m		12m	1.2u	3.0u	16	50k	20	2.0kØ		84		65	5C	A003	TO116
13	SN52709BS	30 ♦	200m		12m	1.2u	3.0u	16	50k	20	2.0kØ		84		65	5C	A003	FP2s
14	IC709D	30	200m		25m	1.6u	6.0u	16	50k	20	10kØ		73		65 †	07	A003	MP14b
15	IC709Q	30	200m		25m	1.6u	6.0u	16	50k	20	10kØ		73		65 †	07	A003	TO91
16	IC709T	30	200m		25m	1.6u	6.0u	16	50k	20	10kØ		73		65 †	07	A003	CN1c
17	3002	30	200m†	600n§	Δ	200p§	10n§	30	300M†	28 †	10m†	2.0M†	146 †	500m†	100 †	5C	A062	MP49
18	MCC1439	30	200m	3.0ut§	7.5m§	100n§	1.0u§	24 †	300k†	20	2.0kØ	50k†	83	4.2 †	110 †	5C	A037	FC4
19	MC1709CF	30	200m	3.0ut	10m	750n§	1.5u	16	50k	24	10kØ	10k	83	250m†	65	07	A043	MP139a
20	MC1709CG	30	200m	3.0ut	10m	750n§	1.5u	16	50k	24	10kØ	10k	83	250m†	65	07	A043	MP139a
21	MC1709CL	30	200m	3.0ut	10m	750n§	1.5u	16	50k	24	10kØ	10k	83	250m†	65	07	A043	MP139a
22	MC1709CP2	30	200m	3.0ut	10m	750n§	1.5u	16	50k	24	10kØ	10k	83	250m†	65	07	A043	MP25c
23	TOA2709F	30	200m	3.0ut	10m	.75u	2.0u	16	50k	24	10kØ	10k	84	.30 †	65	07	A003	TO91
24	TOA2709J	30	200m	3.0ut	10m	750n	2.0u	16	150k	24	10kØ	10k	84	300m†	65	07	A003	TO116
25	TOA2709V	30	200m	3.0ut	10m	750n	2.0u	16	50k	24	10kØ		84	300m†	65	07	A003	TO99
26	HEPC6053G-RT	30	200m	5.0ut	7.5m§	150nØ							83			07	A037	TO99
27	HEPC6053L-RT	30	200m	5.0ut	7.5m§	150nØ	1.5uØ	22	100k	20		1.0k	83	4.2 †	80	07	A037	TO116
28	ULN2139C	30	200m	5.0u	7.5m§	100n§	1.0u§	22	100k	20	2.0kØ	50k†	100 †		100 †	07	A169	
29#	TAA521%	30	200m	6.0ut	2.0m†	100n†	300n†	16	250k†	28 †	10kØ		93 †		90	07	A043	TO99
30#	TL1709C	30	200m	6.0ut	10m	750n	2.0u	160	50k	2.4	10kØ	10k	83	250m†	65	07	A043	TO99
31#	TL3709C	30	200m	6.0ut	10m	750n	2.0u	160	50k	24	10kØ	10k	83	250m†	65	07	A043	MP39f
32	TOA8709F	30	200m	6.0ut	10m	30n	90n	16	1.0M	24	10kØ	10k	84	.30 †	65	07	A003	TO91
33	TOA8709J	30	200m	6.0ut	10m	30n	90n	16	1.0M	24	10kØ	10k	84	300m†	65	07	A003	TO116
34	TOA8709V	30	200m	6.0ut	10m	30n	90n	16	1.0M	24	10kØ	10k	84	300m†	65	07	A003	TO99
35	TOA8809F	30	200m	6.0ut	10m	10n	30n	16	5.0M	24	10kØ	10k	80	.30 †	65	07	A003	TO91
36	TOA8809J	30	200m	6.0ut	10m	10n	30n	16	5.0M	24	10kØ	10k	80	300m†	65	07	A003	TO116
37	AD505KH	30	200m	15u	2.5m		25n	22	2.0M	24	5.0m	12M	104	120				TO100
38	AD507KH	30	200m	15u	3.0m	15n	15n	22	40M	24	5.0m	35M	100	25	80			TO99
39	AD505SH	30	200m	20u	2.5m		25n	22	2.0M	24	5.0m	12M	104	120				TO100
40	MC1709CP1	30	200m	30ut	10m	750n§	1.5u	16	50k	24	10kØ	10k	83	250m†	65	07	A043	MP161
41	MIC709-5	30	200m	36u	10m	.75u	2.0u	16	50k	24	10kØ		82		65	07	A003	CN1
42	MC1439G	30	201m	3.0ut	7.5m§	150n	1.5uØ	22	100k	20	2.0kØ	10k	83	4.2 †	80	07	A037	TO99
43	MC1439L	30	201m	3.0ut	7.5m§	150n	1.5uØ	22	100k	20	2.0kØ	10k	83	4.2 †	80	07	A037	MP139a
44	MC1439P	30	201m	3.0ut	7.5m§	150n	1.5uØ	22	100k	20	2.0kØ	10k	83	4.2 †	80	07	A037	MP25c
45♦	RM4531D	30	210m		6.0m	500n	1.5u	20	30	20	2.0kØ		93	35 †	70	5C	A211	MP322
46▼	RM4531DN	30	210m		6.0m	500n	1.5u	20	30	20	2.0kØ		93	35 †	70	5C	A211	MP189
47♦	RM4531T	30	210m		6.0m	500n	1.5u	20	30	20	2.0kØ		93	35 †	70	5C	A211	TO99
48	SE531T	30	210m		6.0m	500nØ	1.5uØ	20	20M†	20	2.0kØ	500k†	93	35 †	70	5C		CN1g
49	AMU5F7715312	30	210m		7.5m	800nØ	4.0uØ	20	1.0M†	20	2.0kØ		83	15	74	5C	A158	TO100
50	AMU6W7715312	30	210m		7.5m	800nØ	4.0uØ	20	1.0M†	20	2.0kØ		83	15	74	5C	A158	MP151a
51	uA715-5F-312	30	210m		7.5m	250n§	750n§	20	1.0M†	20	2.0kØ	65M	84	15	74	5C	A106	TO100
52	uA715-6A-312	30	210m		7.5m	800n	4.0u	20	1.0M†	20	2.0kØ	200k	80	15	74	5C	A106	MP14v
53	9802	30	210m	1.0u	25u		50p		2.0M	20	20m	15MØ	180	100		28		MP6p
54	107A1	30	210m	1.0u§	200u§		150n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	28		MP6r
55	247A1	30	210m	1.0u	200u§		100n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	5C		CN2f
56	1732	30	210m†	2.0u		10n†	60n	20	300k†	20	4.0m	5.0MØ†	93	6.0 †	80	58		MP5y
57	007A2	30	210m	2.0u§	200u§		150n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	28		FP15
58	107A2	30	210m	2.0u§	200u§		150n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	28		MP6r
59	247A2	30	210m	2.0u	200u§		100n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	5C		CN2f
60	1842	30	210m†	5.0u	Δ	30p†	50p	20	100G†	20	10m	1.5MØ†	109	3.0 †	73	08		MP5ak
61	HB50	30	210m	5.0u	Δ		5.0p	20	100G	20	10m	4.0MØ	86	3.0	70	5C		CN2
62	007B1	30	210m	5.0u§	500u§		150n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	28		FP15
63	107B1	30	210m	5.0u§	500u§		150n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	28		MP6r
64	247B1	30	210m	5.0u	500u§		100n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	5C		CN2f
65	3117-12C	30	210m	5.0u	500u§		20n§	20	300k†	20	20m	1.0MØ	93	900m	80 †	28		MP5bz
66	DB25	30	210m†	5.0u	.75m	50p		20	100G	20	40m	2.5MØ	100	6.0	72	5A		MP5g
67	008A1	30	210m	5.0u	1.0m§		5.0p§	14	100G†	20	10m	2.0MØ	100	3.0	80 †	28		FP15
68	108A1	30	210m	5.0u	1.0m§		5.0p§	14	100G†	20	10m	2.0MØ	100	3.0	80 †	28		MP6r
69	208A1	30	210m	5.0u§	1.0m§		5.0p§	14	100G†	20	10m	4.0MØ	100	3.0	80 †	5C		CN2
70	248A1	30	210m	5.0u	1.0m§		5.0p§	20	100G†	20	10m	2.0MØ	100	6.0	72 †	5C		CN2f
71	3348-03	30	210m	5.0u	2.0m§		10p§	20	100G†	20	10m	1.0MØ	86	3.0	80 †	28		MP58g
72	1339-02	30	210m	5.0ut	3.0m§	60n§	500n§	22	150k	20	20m	1.0MØ†	93	34 †	80	5C		TO99
73	1339-01	30	210m	5.0ut	7.5m§	60n§	600n§	22	100k	20	20m	1.0MØ†	92	34 †	80	07		TO99
74	1841	30	210m†	10u	Δ	30p†	50p	20	100G†	20	10m	1.5MØ†	109	3.0 †	73	08		MP5ak
75	HC50	30	210m	10u	Δ		5.0p	20	100G	20	10m	4.0MØ	86	3.0	70	5C		CN2
76	007A1	30	210m	10u§	200u§		150n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	28		FP15
77	3044-15	30 ♦	210m	10u	500u§		10n§	56	500k†	56	20m	2.0MØ	110	1.0	100 †	28		MP287b
78	DC25	30	210m†	10u	.75m	50p		20	100G	20	40m	2.5MØ	100	6.0	72	5A		MP5g
79	007C1	30	210m	10u§	1.0m§		200n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	28		FP15
80	008A2	30	210m	10u	1.0m§		5.0p§	14	100G†	20	10m	2.0MØ	100	3.0	80 †	28		FP15
81	107C1	30	210m	10u§	1.0m§		200n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	28		MP6r
82	108A2	30	210m	10u	1.0m§		5.0p§	14	100G†	20	10m	2.0MØ	100	3.0	80 †	28		MP6r
83	208A2	30	210m	10u§	1.0m§		5.0p§	14	100G†	20	10m	4.0MØ	100	3.0	80 †	5C		CN2
84	247C1	30	210m	10u	1.0m§		100n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	5C		CN2f
85	248A2	30	210m	10u	1.0m§		5.0p§	20	100G†	20	10m	2.0MØ	100	6.0	72 †	5C		CN2f
86	3118-12C	30	210m	10u	1.0m§		30n§	20	300k†	20	20m	1.0MØ	93	900m	80 †	28		MP5bz
87	C118A	30	210m	10u	1.0m§		5.0p§	20	100G†	20	10m	500kØ	88	500m	86 †	28		MP6s
88	C218A	30	210m	10u	1.0m§		5.0p§	20	100G†	20	10m	500kØ†	88	500m†	86 †	28		CN2j
89	3349-03	30	210m	10u	2.0m§		10p§	20	100G†	20	10m	1.0MØ	86	3.0	80 †	28		MP58g
90	ICL8017MTW	30	210m	10ut	6.0m		500n	30 Δ		20	2.0kØ	10MtØ	87	130 †		5c	A163	TO100
91	1339	30	210m	12ut	7.5m§	100n§	1.0u§	22	100k	20	10m	1.0MØ†	83	34 †	80	07		TO99
92	45K	30	210m	15u	Δ	10p	25p	20	100G	20	20m	1.0M	100	75	70	28		
93	1439	30	210m†	15u	Δ	13n†	25n	20 †	1.0M†	20	4.0m	1.0MØ	90	500m	80	28		MP5y
94	1614	30	210m†	15u	Δ	50n†	100p	20 †	100k†	20	10m	4.0MØ	86	1.5	80	28		MP5y
95	A45K	30	210m	15u	Δ		25p§	20	100G	20	40m	1.0M	93	75	74 †	28	A053	MP42a
96	3077-12C	30	210m	20u			100n§	20	300k†	20	10m	1.0MØ	93	900m	80	28		MP292a
97	DE25	30	210m†	20u	.75m	50p		20	100G	20	40m	2.5MØ	100	6.0	72	5A		MP5g
98	3119-12C	30	210m	20u	2.0m§		50n§	20	300k†	20	20m	1.0MØ	93	900m	80 †	28		MP5bz
99	3350-03	30	210m	20u	2.0m§		50p§	20	100G†	20	10m	1.0MØ	86	3.0	80 †	28		MP58g
100	ADO49A	30	210m	20u	5.0mΔ§	200n§	500n§	16	150k	20	10m	500k§	88	200m	66	5C	A055	CN5
101	ADO49C	30	210m	20u	7.5mΔ§	500n§	1.5u§	16	50k	20	10m	500k§	88	200m	66	07	A055	CN5
102	1764	30	210m†	25u	Δ	30p†	50p	20 †	10G†	20	10m	1.5MØ	109	3.5	74	58		MP35a
103	008B1	30	210m	25u	1.0m§		5.0p§	14	100G†	20	10m	2.0MØ	100	3.0	80 †	28		FP15
104	108B1	30	210m	25u	1.0m§		5.0p§	14	100G†	20	10m	2.0MØ	100	3.0	80 †	28		MP6r
105	208B1	30	210m	25u§	1.0m§		5.0p§	14	100G†	20	10m	4.0MØ	100	3.0	80 †	5C		CN2
106	248B1	30	210m	25u	1.0m§		5.0p§	20	100G†	20	10m	2.0MØ	100	6.0	72 †	5C		CN2f
107	501B	30	210m	25u	1.0m		10p	20	100G	20	10m	4.0MØ	90	3.0	80	28		
108	501C	30	210m	25u	1.0m		5.0p	20	100G	20	10m	4.0MØ	90	3.0	80	28		
109	AD506KH	30	210m	25u	1.0m	5.0p	10p	20	100G	24	5.0m	1.0MØ	74	5.0	80	07		TO99
110	AD516KH	30	210m	25u	1.0m	10p	20p	20	100G	24	5.0m	1.0M	74	5.0	80	07		TO99

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1	C118B	30	210m	25u	1.0m§		5.0p§	20	100G†	20	10m	500kØ	88	500m	86 †	28		MP6s
2	C218B	30	210m	25u	1.0m§		5.0p§	20	100G†	20	10m	500kØ†	88	500m†	86 †	28		CN2j
3	P501B	30	210m	25u	1.0m		10p	20	100G	20	10m	4.0MØ	90	3.0	80	28		MP72
4	P501C	30	210m	25u	1.0m		5.0p	20	100G	20	10m	4.0MØ	90	3.0	80	28		MP72
5	AD503KH	30	210m	25u	20m	5.0p	10p	20	100G	24	5.0m	1.0MØ	74	5.0	80	07		TO99
6	AD513KH	30	210m	25u	20m	10p	20p	20	100G	24	5.0m	1.0MØ	74	5.0	80	07		TO99
7	D25	30	210m†	30u	.75m	50p		20	100G	20	40m	2.5MØ	100	6.0	72	5A		MP5g
8	D2	30	210m	30u	6.0mΔ		60n	22	400k†	22	11m	1.0MØ	85	1.8	100 †	58		MP5aq
9	AD523KH	30	210m	30u	20m		500f	20	100G	24	5.0m	500k	72	3.0	80	07		TO99
10	A99	30	210m	35u	Δ		20p§	20	100G	20	10m	2.0mØ	100	10	66	28	A197	MP5f
11	1810	30	210m†	40u	Δ		25p	20	100G†	20	10m	4.0MØ	92	12	70	28	A079	MP5x
12	DK25	30	210m†	45u	.75m	50p		20	100G	20	40m	2.5MØ	100	6.0	72	5A		MP5g
13	45J	30	210m	50u	Δ	25p	50p	20	100G	20	20m	1.0M	100	75	70	28		
14	1725	30	210m†	50u	Δ	30p†	100p	20 †	10G†	20	10m	10MØ	92	25	70	58		MP5y
15	1772	30	210m†	50u	Δ	30p†	100p	20 †	10G†	20	10m	10MØ	86	12	70	58		MP5y
16	A45J	30	210m	50u	Δ		50p§	20	100G	20	40m	1.0M	93	75	74 †	28	A053	MP42a
17	008B2	30	210m	50u	1.0m§		5.0p§	14	100G†	20	10m	2.0MØ	100	3.0	80 †	28		FP15
18	108B2	30	210m	50u	1.0m§		5.0p§	14	100G†	20	10m	2.0MØ	100	3.0	80 †	28		MP6r
19	208B2	30	210m	50u§	1.0m§		5.0p§	14	100G†	20	10m	4.0MØ	100	3.0	80 †	5C		CN2
20	248B2	30	210m	50u	1.0m§		5.0p§	20	100G†	20	10m	2.0MØ	100	6.0	72 †	5C		CN2f
21	AD506SH	30	210m	50u	1.0m	5.0p	10p	20	100G	24	5.0m	1.0MØ	74	5.0	80	5C		TO99
22	AD516SH	30	210m	50u	1.0m	10p	20p	20	100G	24	5.0m	1.0M	74	5.0	80	5C		TO99
23	DL25	30	210m†	50u	1.5m	100p		20	100G	20	40m	2.5MØ	98	4.5	60	5A		MP5g
24	C118C	30	210m	50u	2.0m§		10p§	20	100G†	20	10m	500kØ	88	500m	86 †	28		MP6s
25	C218C	30	210m	50u	2.0m§		10p§	20	100G†	20	10m	500kØ†	88	500m†	86 †	28		CN2j
26	AD503SH	30	210m	50u	20m	5.0p	10p	20	100G	24	5.0m	1.0MØ	74	5.0	80	5C		TO99
27	AD513SH	30	210m	50u	20m	10p	20p	20	100G	24	5.0m	1.0MØ	74	5.0	80	5C		TO99
28	ADO19	30	210m	60u☑	5.0m§		100p§	18	10G	20	10m	250k§	97	.50	60 †	28	A053b	MP42a
29	AD523LH	30	210m	60u	20m		250f	20	100G	24	5.0m	500k	72	3.0	80	07		TO99
30	008B3	30	210m	75u	2.0m§		5.0p§	14	100G†	20	10m	2.0MØ	100	3.0	80 †	28		FP15
31	108B3	30	210m	75u	2.0m§		5.0p§	14	100G†	20	10m	2.0MØ	100	3.0	80 †	28		MP6r
32	208B3	30	210m	75u§	2.0m§		5.0p§	14	100G†	20	10m	4.0MØ	100	3.0	80 †	5C		CN2
33	248B3	30	210m	75u	2.0m§		5.0p§	20	100G†	20	10m	2.0MØ	100	6.0	72 †	5C		CN2f
34	501A	30	210m	75u	2.0m		25p	20	100G	20	10m	4.0MØ	90	3.0	80	28		
35	P501A	30	210m	75u	2.0m		25p	20	100G	20	10m	4.0MØ	90	3.0	80	28		MP72
36	AD506JH	30	210m	75u	3.0m	10p	15p	20	100G	24	5.0m	1.0MØ	66	5.0	70	07		TO99
37	AD516JH	30	210m	75u	3.0m	20p	30p	20	100G	24	5.0m	1.0M	66	5.0	70	07		TO99
38	AD503JH	30	210m	75u	50m	10p	15p	20	100G	24	5.0m	1.0MØ	66	5.0	70	07		TO99
39	AD513JH	30	210m	75u	50m	20p	30p	20	100G	24	5.0m	1.0MØ	66	5.0	70	07		TO99
40	AD523JH	30	210m	90u	50m		1.0p	20	100G	24	5.0m	500k	66	3.0	70	07		TO99
41	ATF404	30	210m	100u	Δ	10p	50p	20	10G	20	10m	4.0MØ	90	18	74	28	A129	MP174a
42	D4	30	210m	100u	Δ		20p	20	100G	20	10	3.0MØ†	90	4.0	80 †			
43	P2A	30	210m	100u	Δ		10p	600	10G	22	4.4m	75kØ	86	66m		06	A087	MP99
44	008C1	30	210m	100u§	5.0m§		5.0p§	14	100G†	20	10m	4.0MØ	100	3.0	76 †	28		FP15
45	108C1	30	210m	100u§	5.0m§		5.0p§	14	100G†	20	10m	4.0MØ	100	3.0	76 †	28		MP6n
46	208C1	30	210m	100u§	5.0m§		5.0p§	14	100G†	20	10m	4.0MØ	100	3.0	80 †	5C		CN2
47	008C2	30	210m	150u§	5.0m§		10p§	14	100G†	20	10m	4.0MØ	100	3.0	76	28		FP15
48	108C2	30	210m	150u§	5.0m§		10p§	14	100G†	20	10m	4.0MØ	100	3.0	76	28		MP6n
49	208C2	30	210m	150u§	5.0m§		10p§	14	100G†	20	10m	4.0MØ	100	3.0	76	5C		CN2
50	P2AU	30	210m	153u	Δ		100p	600	10G	22	4.4m	75kØ	86	66m		06	A087	MP99
51	MC1537L	30	225m	1.5u†	6.0m	500n	1.5u	16	150k	24	10kØ	200k	88	250m†	70	5C	A036	MP139a
52	MC1537P	30	225m	1.5u†	6.0m	500n	1.5u	16	150k	24	10kØ	200k	88	250m†	70	5C	A036	MP25c
53▼	RM1537D	30	225m	1.5u	6.0m	500n	1.5u	16	150k	24	10kØ	200k	88	250m	70	5C		TO116
54	MC1437L	30	225m	1.5u†	10m	750n	2.0u	16	50k	24	10kØ	200k	84	250m†	65	07	A036	MP139a
55	MC1437P	30	225m	1.5u†	10m	750n	2.0u	16	50k	24	10kØ	200k	84	250m†	65	07	A036	MP25c
56▼	RC1437D	30	225m	1.5u	10m	750n	2.0u	16	50k	24	10kØ	200k	84	250m	65	07	A036	TO116
57▼	RC1437DP	30	225m	1.5u	10m	750n	2.0n	16	50k	24	10kØ	200k	84	250m	65	07	A036	TO116
58	RC4709DP	30	225m	3.0u†	6.0m	500n	1.5u	16	400k†	24	10kØ		88		70	07	A003	MP40
59	HEPC6051L-RT*	30	225m	3.0u†	10m	750n	2.0u	16	50k	24	10kØ		83	250m	65	07	A036	TO116
60	807BE	30	225m	10u	3.0m	250n	1.5u	16	500k	24	♦	10k†	90		80	5C	A018	TO100
61	807BH	30	225m	10u	3.0m	250n	1.5u	16	500k	24	♦	10k†	90		80	5C	A018	FP5
62	808AE	30	225m	10u	5.0m§	15n§	250n	16	1.0M	24	♦	5.0MØ	88		90 †	5C	A018	TO100
63	UC4000	30	225m	10u	6.0mΔ	30n	250n	20	800k	20	10kØ	1.0MØ	86	1.0	90	5C		TO101
64	808CE	30	225m	14u§	5.0m§	40n§	75n§	18	2.0M	20					70	0A	A018	CNØ
65	805BE	30	225m	20u	7.0m	250n	1.5u	16	500k	24	♦	10k†	90		70	5C	A018	TO100
66	805BH	30	225m	20u	7.0m	250n	1.5u	16	500k	24	♦	10k†	90		70	5C	A018	FP5
67	806BE	30	225m	20u	7.0m	250n	1.5u	16	500k	24	♦	10k†	90		70	5C	A018	TO100
68	806BH	30	225m	20u	7.0m	250n	1.5u	16	500k	24	♦	10k†	90		70	5C	A018	FP5
69	T82AH	30	225m	20u	7.0m	50n§	1.5u	16	500k	24	20m		89		90 †	5C		TO100
70	UC4001	30	225m	20u	12mΔ	65n	400n	20	800k	20	10kØ	1.0MØ	86	1.0	90	5C		TO101
71	808BE	30	225m	30u	10m§	30n§	250n	16	1.0M	24	♦	5.0MØ	88		90 †	5C	A018	TO100
72	UC4002	30	225m	40u	14mΔ	120n	600n	20	800k	20	10kØ	1.0MØ	86	1.0	90	5C		TO101
73	RC4709D*	30 ♦	225m	3.0 †	10m	750n	2.0u	16	150k†	24	10kØ		83		65	07	A003	MP40
74	1407-01	30	228m	25u	10m§	10p§	150p§	20	100G	22	4.4m	30MØ	86	8.0	80	5C		CN2
75	Q25AH	30	228m	55u	Δ	10p§	150p§	20	100G	22	4.4m	30MØ	92	8.0	73	5C		CN2
76	1407	30	228m	55u	10m§	10p§	150p§	20	100G	22	4.4m	30MØ	86	8.0	80	5C		CN2
77	SP2A	30	240m†		Δ	1.0p§		600 †	10G†	22 †	4.4m†	75kØ	86	66m†		06		CB2
78	SP65A	30	240m†		Δ	10p§		SE	1.3M†	22 †	4.4m†	1.5MØ	140	1.5 †		28		CB2
79	SP65AH	30	240m†		Δ	10p§		SE	1.3M†	22 †	4.4m†	20MØ	140	5.0 †		28		CB2
80	TOA2740V	30	240m		30n§†	60n§†	2.0n§	24	1.0T†	24	10kØ	1.0MØ†	103	6.0 †	80 †	07	A131	TO99
81▼#	SFC2118M	30	240m		4.0m	50n	250n	23	1.0M	24	2.0kØ		94	50	80	5C		TO99
82▼#	SFC2218	30	240m		4.0m	50n	250n	23	1.0M	24	2.0kØ		94	50	80	28		TO99
83▼	LM118D	30	240m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15Mt	93	50	80	5C	A209	MP322
84▼	LM118F	30	240m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15Mt	93	50	80	5C	A209	FP2n
85▼	LM118H	30	240m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15Mt	93	50	80	5C	A209	TO99
86▼	LM118P	30	240m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15Mt	93	50	80	5C	A209	MP39k
87	N5740T	30	240m		30m	60pt		24 †	1.0T†	20	2.0kØ	1.0MØt	120 †	6.0 †	80 †	07	A131	CN1g
88	uA740-5B-393	30	240m		30m†	60pt		24 †	1.0T†	20	2.0kØ	1.0MtØ	120 †	6.0 †	80 †	07	A131	TO99
89	NE536T	30	240m		90m	1.0n†	3.0n	20	10T†	20	2.0kØ	1.0mØ	86	6.0 †	64	07	A131	CN1g
90	D28	30	240m	1.5u	2.0m	60n		8.0	600k	20	4.0m	1.0MØ	110	.30	100 †	5A		MP5g
91	DA21B	30	240m†	2.0u	.50m	50p		10	100G	20	40m	3.0MØ	110	6.0	92	5A		MP2
92	ADO26B	30	240m	2.0u☑	.70m§		20p§	15	100G	20	10m	750k§	100	1.0	86	28	A053b	MP42a
93	A1026	30	240m	2.0u☑	1.0m§	2.0p†	10p§	19 §	100G	20	10m	750kØ	107	1.0	94	28	A053b	MP42a
94	DA28	30	240m	2.0u	2.0m	60n		8.0	600k	20	4.0m	1.0MØ	110	.30	100 †	5A		MP5g
95	QFT2B	30	240m	5.0u☑	Δ		100p§	20	100G	24	20m	3.0MØ	104	10 †	86 †	49		MP5c
96	H6020	30	240m	5.0u	.37mΔ	60n	.15u	20	500k	20	6.0m	5.0M	86	2.5 †	90	4A		MP6f
97	H6020C	30	240m	5.0u	.37mΔ	60n	.15u	20	500k	20	6.0m	5.0M	86	2.5 †	90	4A		MP5aa
98	DB19	30	240m†	5.0u	.50m	50p		10	100G	20	20m	4.0MØ	110	6.0	92	5A		MP5g
99	DB21B	30	240m†	5.0u	.50m	50p		10	100G	20	40m	3.0MØ	110	6.0	92	5A		MP2
100	ADO27B	30	240m	5.0u☑	.70m§		20p§	15	100G	20	10m	750k§	100	1.0	86	28	A053b	MP42a
101▼	0-578A1	30	240m†	5.0u§	1.0m§	10p§		20	100G†	20	10m	4.5MtØ	86	15	76 †	28		FP30
102▼	1-578A1	30	240m†	5.0u§	1.0m§	10p§		20	100G†	20	10m	4.5MtØ	86	15	76 †	28		MP338
103	A1027	)	240m	5.0u☑	1.0m§	2.0p†	10p§	19 §	100G	20	10m	750kØ	107	1.0	94	28	A053b	MP42a
104▼	H50A1	30	240m†	5.0u§	1.0m§Δ	10p§		20	100G†	02	10m	4.5MtØ	86	15	76 †	5C		CN2q
105	DB28	30	240m	5.0u	2.0m	60n		8.0	600k	20	4.0m	1.0MØ	110	.30	100 †	5A		MP5g
106	D24	30	240m	10u	Δ	15n			250k	20	40m	100MØ	100	100 †		58		MP5j
107	QFT2A	30	240m	10u☑	Δ		100p§	20	100G	24	20m	3.0MØ	104	10 †	86 †	49		MP5c
108	DC19	30	240m†	10u	.50m	50p		10	100G	20	20m	4.0MØ	110	6.0	92	5A		MP5g
109	H6010	30	240m	10u	.60mΔ	.12u	.25u	20	150k	20	6.0m	5.0M	86	2.5 †	80	28		MP6f
110	H6010C	30	240m	10u	.60mΔ	.12u	.25u	20	150k	20	6.0m	5.0M	86	2.5 †	80	28		MP5aa

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1▼	0-578A2	30	240mt	10u§	1.0m§	10p§		20	100Gt	20	10m	4.5MtØ	86	15	76 †	28		FP30
2▼	1-578A2	30	240mt	10u§	1.0m§	10p§		20	100Gt	20	10m	4.5MtØ	86	15	76 †	28		MP338
3▼	H50A2	30	240mt	10u§	1.0m§Δ	10p§		20	100Gt	20	10m	4.5MtØ	86	15	76 †	5C		CN2q
4	41K	30	240m	10u	2.0mΔ§		250f§	30	10Tt	20	10m	1.0MtØ	100	3.0	93 †	28		MP58b
5	ICL8017CTW	30	240m	10ut	7.5m		500n	30 Δ		20	2.0kØ	10MtØ	87	130 †		07	A163	TO100
6	MC1433F	30	240m	10ut	10m	750n	4.0u	16	300k	24	10kØ	4.0k	89	6.2 †	80	07	A033	TO91
7	MC1433G	30	240m	10ut	10m	750n	4.0u	16	300k	24	10kØ	4.0k	89	6.2 †	80	07	A033	CN10j
8	MC1433L	30	240m	10ut	10m	750n	4.0u	16	300k	24	10kØ	4.0k	89	6.2 †	80	07	A033	MP139a
9	MC1433P	30	240m	10ut	10m	750n	4.0u	16	300k	24	10kØ	4.0k	89	6.2 †	80	07	A033	MP25c
10	A148C	30	240mt	15u☑	Δ	5.0pt	25p§	20	100Gt	20	40m	7.5MØ	94	50	72 †	28	A053	MP5s
11	D22	30	240mt	15u	Δ	10n		20	600k	20	40m	1.0MØ	100	600m	80 †	58		MP5j
12	D22B	30	240m	15u		10n		20	600k	20	40m	1.0MØ	100	60	80 †	58		MP2
13	SQ210	30	240m	15u☑	Δ		100n§	20	100k	20	40m	1.0MØ	100	1.0 †	80 †	5A		MP5c
14	MC1458CG*	30	240m	15ut	12m	400n	1.0u	22	1.0Mt	22	10kØ	14kt	86	800mt	60	07	A014	TO99
15	MC1458CL*	30	240m	15ut	12m	400n	1.0u	22	1.0Mt	22	10kØ	14kt	86	800mt	60	07	A014	MP139a
16	MC1458CP1*	30	240m	15ut	12m	400n	1.0u	22	1.0Mt	22	10kØ	14kt	86	800mt	60	07	A014	MP161
17	MC1458CP2*	30	240m	15ut	12m	400n	1.0u	22	1.0Mt	22	10kØ	14kt	86	800Mt	60	07	A014	MP25c
18▼#	SFC2458C*	30	240m	15ut	12m	400n	1.0u	22	1.0Mt	22	10kØ	14kt	86	800mt	60	07	A014	TO99
19▼#	SFC2458DC*	30	240m	15ut	12m	400n	1.0u	22	1.0Mt	22	10kØ	14kt	86	800mt	60	07	A014	MP167
20	10L2LA	30	240mt	20u☑t	Δ		50n§	20	300k	20	40m	1.0MØ	106	10 Ø	80	58		MP111
21	10L4LA	30	240mt	20u☑t	Δ		10n§	20	1.0M	20	40m	500kØ	100	5.0 Ø	80	58		MP111
22	SQ16	30	240m	20u	Δ		25n§	22	150k	22	10m	1.0MØ	83	1.2	75	28		MP5c
23	DE19	30	240mt	20u	.50m	50p		10	100G	20	20m	4.0MØ	110	6.0	92	5A		MP5g
24	DE21B	30	240mt	20u	.50m	50p		10	100Gt	20	40m	3.0MØ	110	6.0	92	5A		MP2
25▼	LM118D883	30	240m	20u	6.0m	100n	500n	23	1.0M	24	2.0kØ	15Mt	94	50	80	5C	A209	MP148
26▼	LM118H883	30	240m	20u	6.0m	100n	500n	23	1.0M	24	2.0kØ	15Mt	94	50	80	5C	A209	CN1f
27▼	LM218D	30	240m	20u	6.0m	100n	500n	23	1.0M	24	2.0kØ	15Mt	94	50	80	28	A209	MP148
28▼	LM218F	30	240m	20u	6.0m	100n	500n	23	1.0M	24	2.0kØ	15Mt	94	50	80	28	A209	FP18
29▼	LM218H	30	240m	20u	6.0m	100n	500n	23	1.0M	24	2.0kØ	15Mt	94	50	80	28	A209	CN1f
30	A148B	30	240mt	25u☑	Δ	5.0pt	25p§	20	100Gt	20	40m	7.5MØ	94	50	72 †	28	A053	MP5s
31	A157	30	240mt	25u☑	Δ		25p	20	100G	20	40m	4.0MØ	103	30	80 †	28	A053a	MP199d
32	D11	30	240m	25u	Δ	25p		20	600k	20	40m	800kØ	100	600m	80 †	58		MP5j
33	D11B	30	240m	25u		25n		20	600k	20	40m	800kØ	100	60	80 †	58		MP2
34▼	0-578B1	30	240mt	25u§	1.0m§	10p§		20	100Gt	20	10m	4.5MtØ	86	15	76 †	28		FP30
35▼	1-578B1	30	240mt	25u§	1.0m§	10p§		20	100Gt	20	10m	4.5MtØ	86	15	76 †	28		MP338
36	ADO32	30	240m	25u	1.0mΔ§		500f§	20	1.0T	24	10m	400k§	82	400m	86	28	A053b	MP42b
37▼	H50B1	30	240mt	25u§	1.0m§Δ	10p§		20	100Gt	20	10m	4.5MtØ	86	15	76 †	5C		CN2q
38	41J	30	240m	25u	2.0m§Δ		500f§	30	10Tt	20	10m	1.0MtØ	100	3.0	93 †	28		MP5ab
39	41L	30	240m	25u	2.0m§Δ		150f§	30	10Tt	20	10m	1.0MtØ	100	3.0	93 †	28		MP5ab
40	1029-01	30	240m	25u	2.0m§	50f§t	100f§	20	10Tt	20	10m	1.0MØ	100	3.0	80	07		MP5bv
41	ADO101B	30	240m	25u	3.0mΔ§		40p§	20	100G	24	10m	400k§	112	600m	88	5C		MP78
42	1573	30	240mt	30u	Δ	70nt	120n	10 †	200kt	20	4.0m	1.0MØ	80	500m	66	28		MP35
43	D19	30	240mt	30u	.50m	50p		10	100Gt	20	20m	4.0MØ	110	6.0	92	5A		MP5g
44	D21B	30	240mt	30u	.50m	50p		10	100Gt	20	40m	3.0MØ	110	6.0	92	5A		MP2
45	QFT2	30	240m	35u☑	Δ		100p§	20	100G	24	20m	3.0MØ	104	10 †	86 †	49		MP5c
46	DK19	30	240mt	45u	.50m	50p		10	100Gt	20	20m	4.0MØ	110	6.0	92	5A		MP5g
47	DK21B	30	240mt	45u	.50m	50p		10	100Gt	20	40m	3.0MØ	110	6.0	92	5A		MP2
48	A148A	30	240mt	50u☑	Δ	10pt	50p§	20	100Gt	20	40m	7.5MØ	94	50	72 †	28	A053	MP5s
49	A156	30	240mt	50u☑	Δ		50p	20	100G	20	40m	4.0MØ	103	30	80 †	28	A053a	MP199d
50	ADO29B	30	240m	50u☑	.70m§		50p§	15	10G	20	10m	750k§	100	1.0	86	28	A053b	MP42a
51▼	0-578B2	30	240mt	50u§	1.0m§	10p§		20	100Gt	20	10m	4.5MtØ	86	15	76 †	28		FP30
52▼	1-578B2	30	240mt	50u§	1.0m§	10p§		20	100Gt	20	10m	4.5MtØ	86	15	76 †	28		MP338
53▼	H50B2	30	240mt	50u§	1.0m§Δ	10p§		20	100Gt	20	10m	4.5MtØ	86	15	76 †	5C		CN2q
54	1029	30	240m	50u	2.0m§	100f§t	300f§	20	10Tt	20	10m	1.0MØ	100	3.0	80	07		MP5bv
55▼	HA2-2050A	30	240m	50u	17m	5.0n	10n	20	1.0G	20	10m	2.0M	78	100	74	5C		TO99
56▼	HA2-2055A	30	240m	50u	17m	500p	1.0n	20	1.0G	20	10m	2.0M	78	100	70	07		TO99
57▼	HA2-2050	30	240m	50u	30m	5.0n	10n	20	1.0G	20	10m	2.0M	78	100	74	5C		TO99
58▼	HA2-2055	30	240m	50u	65m	500p	1.0n	20	1.0G	20	10m	2.0M	78	100	70	07		TO99
59▼	1-578B3	30	240mt	75u§	1.0m§	10p§		20	100Gt	20	10m	4.5MtØ	86	15	76 †	28		MP338
60▼	H50B3	30	240mt	75u§	1.0m§Δ	10p§		20	100Gt	20	10m	4.5MtØ	86	15	76 †	5C		CN2q
61▼	0-578B3	30	240mt	75u§	2.0m§	10p§		20	100Gt	20	10m	4.5MtØ	86	15	76 †	28		FP30
62▼	1-578C1	30	240mt	100u§	1.0m§	10p§		20	100Gt	20	10m	4.5MtØ	86	15	76 †	28		MP338
63▼	H50C1	30	240mt	100u§	1.0m§Δ	10p§		20	100Gt	20	10m	4.5MtØ	86	15	76 †	5C		CN2q
64▼	0-578C1	30	240mt	100u§	5.0m§	10p§		20	100Gt	20	10m	4.5MtØ	86	15	76 †	28		FP30
65▼	1-578C2	30	240mt	150u§	1.0m§	10p§		20	100Gt	20	10m	4.5MtØ	86	15	76 †	28		MP338
66▼	H50C2	30	240mt	150u§	1.0m§Δ	10p§		20	100Gt	20	10m	4.5MtØ	86	15	76 †	5C		CN2q
67▼	0-578C2	30	240mt	150u§	5.0m§	10p§		20	100Gt	20	10m	4.5MtØ	86	15	76 †	28		FP30
68	A401	30	240mt	1.0m☑	200m§		500u§	SE	10k	20	200m	1.0MØ	1.0			28		MP5s
69	HAD1000	30	250m			12m			1.0T	28 †	25m	1.0MØ	80 †	6.0 †	60	07	A137	CN39
70#	TAA811	30	250m	6.0u	2.0m	750n	320n	24	400kt	28 †	10kØ		103		90 †	07	A012	TO99
71	10Q5ARQ	30	255mt	20u☑t	Δ		25n§	20	400k	20	10m	1.5MØ	86	15 Ø	74	58		MP6j
72	10Q5ARQA	30	255mt	20u☑t	Δ		25n§	20	400k	20	10m	1.5MØ	86	15 Ø	74	58		MP6k
73	10Q5ARQB	30	255mt	20u☑t	Δ		25n§	20	400k	20	10m	1.5MØ	86	15 Ø	74	58		MP6k
74	D6	30	255m	20u	Δ	75n		14	200k	20	4.0m	1.5MØ	96 †	900m	96 †	28		MP5v
75	106A	30	256m	20u	Δ	5.0u§		20 Δ	1.0M	20	10m	2.0MØ	107	1.2	80	48		MP6c
76	SP656	30	262m		Δ	10p§		SE	1.3Mt	20 †	40mt	1.5MØ	153	1.5 †		28		CB2
77	MS741	30	270m		6.0m	500n	1.5u	24	300k	20	2.0kØ		93		70	5A	A012	FP12
78	231B	30	270m	100n	10uΔ		50p	SE	300k	20	50m	500kØ	140	200m		28		MP77
79	231K	30	270m	100n	10uΔ		50p	SE	300k	20	50m	500kØ	140	200m		05		MP77
80	230K	30	270m	250n☑	15u		50p§	SE	300k	20	8.0m	500kØ	140	200m		28		MP5an
81	231A	30	270m	250n	15uΔ		100p	SE	300k	20	50m	500kØ	140	200m		28		MP77
82	231J	30	270m	250n	15uΔ		100p	SE	300k	20	50m	500kØ	140	200m		05		MP77
83	184L	30	270m	250n☑	100u§		25n§	20	4.0Mt	20	10m	1.0MtØ	109	300m	100	58		MP5au
84	230J	30	270m	500n☑	25u		100p§	SE	300k	20	8.0m	500kØ	140	200m		28		MP5an
85	184K	30	270m	500n☑	100u§		25n§	20	4.0Mt	20	10m	1.0MtØ	109	300m	100	58		MP5au
86	184J	30	270m	1.5u	250u§		25n§	20	4.0Mt	20	10m	1.0MtØ	109	300m	100	58		MP5au
87	C238A	30	270m	10u	1.0m§		5.0p§	20	100Gt	20	40m	10MØ		50	86	5C		CN2m
88	C438A	30	270m	10u	1.0m§		5.0p§	20	100Gt	20	40m	10MØ	90	50	86	5C		MP260
89	238A	30	270m	10u	1.6m	160p	320p	10	100G	40	40m		100	80	96			CN2d
90▼	MSF741A	30	270m	10u	15m		15p§	24	30G	20	2.0kØ		94		70	28	A213	TO91
91▼	MSF741LNA	30	270m	10u	15m		15p§	24	30G	20	2.0kØ		94		70	28	A213	TO91
92	1671	30	270mt	15u	Δ	30pt	100p	20 †	10Gt	20	20m	10MØ	94	12	74	58		MP5y
93	9715	30	270m	15u	10m	10p	30p	22	1.0T	20	80m	30M§	80	20	40	58		MP6p
94	1024	30	270m	20u	10m§		50n§	20	1.0M	20	40m	2.0MØ	93	6.0	86	28		MP162
95	1408-01	30	270m	25u	1.0m§Δ	5.0p§	10p§	20	100G	20	10m	4.0MØt	87	3.0	80	28		
96	1408-02	30	270m	25u	1.0m§Δ	2.0p§	5.0p§	20	100G	20	10m	4.0MØt	87	3.0	80	28		
97	AD501B	30	270m	25u	1.0m§		10p§	30	100Gt	20	2.0kØ	4.0MtØ	87	3.0	60	28		
98	AD501C	30	270m	25u	1.0m§		5.0p§	30	100Gt	20	2.0kØ	4.0MtØ	87	3.0	60	28		
99	ADM501B	30	270m	25u	1.0m§		10p§	30	100Gt	20	2.0kØ	4.0MtØ	87	3.0	60	5C		
100	ADM501C	30	270m	25u	1.0m§		5.0p§	30	100Gt	20	2.0kØ	4.0MtØ	87	3.0	60	5C		
101	ADP501B	30	270m	25u	1.0m§		10p§	30	100Gt	20	2.0kØ	4.0MtØ	87	3.0	60	28		
102	ADP501C	30	270m	25u	1.0m§		5.0p§	30	100Gt	20	2.0kØ	4.0MtØ	87	3.0	60	28		
103	C238B	30	270m	25u	1.0m§		5.0p§	20	100Gt	20	40m	10MØ		50	86	5C		CN2m
104	C438B	30	270m	25u	1.0m§		5.0p§	20	100Gt	20	40m	10MØ	90	50	86	5C		MP260
105	M501B	30	270m	25u	1.0m§t		10p§	20	100Gt	20	10m	4.0MØt	87	3.0	80 †	28	A031	CN2
106	M501C	30	270m	25u	1.0m§t		5.0p§	20	100Gt	20	10m	4.0MØt	87	3.0	80 †	28	A031	CN2
107	238B	30	270m	25u	2.5m	160p	320p	10	100G	40	40m	12	100	80	96			CN2d
108	1619	30	270mt	50u	Δ	30pt	100p	20 †	10Gt	20	20m	10MØ	94	12	74	58		MP5y
109	C238C	30	270m	50u	2.0m§		10p§	20	100Gt	20	40m	10MØ		50	86	5C		CN2m
110	C438C	30	270m	50u	2.0m§		10p§	20	100Gt	20	40m	10MØ	90	50	86	5C		MP260

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1	238C	30	270m	50u	5.0m	320p	640p	10	100G	40	40m		100	80	96			CN2d
2▼	MSF741B	30	270m	50u	15m		15p§	24	30G	20	2.0kØ		94		70	28	A213	TO91
3▼	MSF741LNB	30	270m	50u	15m		15p§	24	30G	20	2.0kØ		94		70	28	A213	TO91
4	1408	30	270m	75u	2.0m§Δ	10p§	25p§	20	100G	20	10m	4.0MØ†	87	3.0	80	28		
5	AD501A	30	270m	75u	2.0m§		10p§	30	100G†	20	2.0kØ	4.0M†Ø	87	3.0	60	28		
6	ADM501A	30	270m	75u	2.0m§		10p§	30	100G†	20	2.0kØ	4.0M†Ø	87	3.0	60	5C		
7	ADP501A	30	270m	75u	2.0m§		10p§	30	100G†	20	2.0kØ	4.0M†Ø	87	3.0	60	28		
8	M501A	30	270m	75u	2.0m§†		10p§	20	100G†	20	10m	4.0MØ†	87	3.0	80 †	28	A031	CN2
9	M501D	30	270m	100u	5.0m§†		10p§	20	100G†	20	10m	4.0MØ†	87	3.0	80 †	28	A031	CN2
10	UC4000C	30	285m	10u	6.0mΔ	27n	250n	20	800k	20	10kØ	1.0MØ	86	1.0	90	07		TO101
11	D5	30	285m	20u	Δ	50n		20	200k	20	10m	2.0MØ	96	1.2	74 †	58		MP5g
12	UC4001C	30	285m	20u	12mΔ	54n	400n	20	800k	20	10kØ	1.0MØ	86	1.0	90	07		TO101
13	UC4002C	30	285m	40u	14mΔ	100n	600n	20	800k	20	10kØ	1.0MØ	86	1.0	90	07		TO101
14▼	RM4136D	30	300m		6.0m	500n	500n	30	300k	20	2.0kØ		93	1.0	70	5C	A210	TO116
15▼	RM4136DP	30	300m		6.0m	500n	500n	30	300k	20	2.0kØ		93	1.0	70	5C	A210	TO116
16	NE531T	30	300m		7.5m	300n☑	2.0u☑	20	20Mt	20	2.0kØ	500kt	86	35 †	70	07		CN1g
17	NE531V	30	300m		7.5m	300n☑	2.0u☑	20	20Mt	20	2.0kØ	500kt	86	35 †	70	07		MP216
18▼	RC4136D	30	300m		7.5m	300n	800n	30	300k	20	2.0kØ		86	1.0	70	07		TO116
19▼	RC4136DP	30	300m		7.5m	300n	800n	30	300k	20	2.0kØ		86	1.0	70	07	A210	TO116
20♦	RC4531D	30	300m		7.5m	300n	2.0u	20	30	20	2.0kØ		86	35 †	70	07	A211	MP322
21♦	RC4531DN	30	300m		7.5m	300n	2.0u	20	30	20	2.0kØ		86	35 †	70	07	A211	MP189
22♦	RC4531T	30	300m		7.5m	300n	2.0u	20	30	20	2.0kØ		86	35 †	70	07	A211	TO99
23	AMU5F7715393	30	300m		10m	750n☑	7.5u☑	20	1.0Mt	20	2.0kØ		80	10	74	07	A158	TO100
24	AMU6W7715393	30	300m		10m	750n☑	7.5u☑	20	1.0Mt	20	2.0kØ		80	10	74	07	A158	MP151a
25#	L115T1	30	300m		10m	250n§	1.5u§	20	1.0Mt	20	2.0kØ	65M	80	10	74	07	A106	TO100
26	LM318	30	300m		10m	200n	600n	23	500k	24	2.0kØ		88	30	70	07		TO99
27▼#	SFC2318C	30	300m		10m	200n	600n	23	500k	23	2.0kØ		88	30	70	07		TO99
28	uA715-5F-393	30	300m		10m	250n§	1.5u§	20	1.0Mt	20	2.0kØ	65M	80	10	74	07	A106	TO100
29	uA715-6A-393	30	300m		10m	750n	7.5u	20	1.0Mt	20	2.0kØ	200k	80	10	74	07	A106	MP14v
30▼	LM318D	30	300m		15m	300n	1.0u	23	500k	24	2.0kØ	15Mt	87	50	70	07	A209	MP322
31▼	LM318F	30	300m		15m	300n	1.0u	23	500k	24	2.0kØ	15Mt	87	50	70	07	A209	FP2n
32▼	LM318H	30	300m		15m	300n	1.0u	23	500k	24	2.0kØ	15Mt	87	50	70	07	A209	TO99
33▼	LM318P	30	300m		15m	300n	1.0u	23	500k	24	2.0kØ	15Mt	87	50	70	07	A209	MP39k
34	228B	30	300m	25n	2.5m	160p	320p	10	100G	40	10m	7.0	86	25	80			CN2
35	3291-14§	30	300m	100n	26u		80p		500kt	20	10m	3.0MØ	140	6.0		28		MP5au
36	3354-25§	30	300m	100n	36u	10pt	20p§	20	1.0Mt	20	10m	3.0MØ	140	6.0	140 †	28		MP290a
37	3164-25§	30	300m	200n	32u		110p		500kt	20	40m	10MØ	140	60		28		MP290b
38	148	30	300mt	250n	15uΔ§		50p§	SE	300k	20	5.0m	1.5M§†	160	6.0		28	A165	MP53a
39	148C	30	300m	250n	15uΔ		50p§	SE	300k	20	50m	1.5M§	160	6.0		28		MP53a
40	3292-14§	30	300m	300n	68u		110p		500kt	20	10m	3.0MØ	140	6.0		28		MP5au
41	3010-25§	30	300m	500n	60u		110p		500kt	20	40m	10MØ	140	60		28		MP290b
42	3071-25§	30	300m	500n	60u		110p		500kt	20	40m	10MØ	140	60		28		MP290b
43	3355-25§	30	300m	500n	80u	25pt	50p§	20	1.0Mt	20	10m	3.0MØ	140	6.0	140 †	28		MP290a
44	3011-25§	30	300m	1.0u	100u		180p		500kt	20	40m	10MØ	140	50		28		MP290b
45	3072-25§	30	300m	1.0u	100u		180p		500kt	20	40m	10MØ	140	50		28		MP290b
46	3293-14§	30	300m	1.0u	160u		220p		500kt	20	10m	3.0MØ	140	6.0		28		MP5au
47	3356-25§	30	300m	1.0u	160u	25pt	50p§	20	1.0Mt	20	10m	3.0MØ	140	6.0	140 †	28		MP290a
48	1423-02	30	300m	1.0u	1.0m§	2.0p§†	10p§	20	1.0Tt	20	10m	3.0MØ†	100	6.0	100	16		MP238
49	A183L	30	300m	1.5u☑	500u§		40n§	20	2.0Mt	20	5.0m	500kØ†	106	300m	100 †	28	A053a	MP5au
50	A128	30	300m	2.0u	Δ	2.0p	4.0p§	20	100G	20	20m	750kØ	107	1.0	94	28	A197	MP5f
51	1423-01	30	300m	2.0u	1.0m§	2.0p§†	10p§	20	1.0Tt	20	10m	3.0MØ†	100	6.0	100	16		MP238
52	A123	30	300mt	2.0u☑	1.5m§		10p§	20	1.0T	20	10m	5.0MØ	100	50	86	28	A097	MP5ab
53	A183K	30	300m	3.0u☑	500u§		40n§	20	2.0Mt	20	5.0m	500kØ†	106	300m	100 †	28	A053a	MP5au
54	3266-12C	30	300m	5.0u			35n§	20	1.0Mt	20	10m	1.0MØ	114	6.0	86	28		MP5bz
55	A122	30	300mt	5.0u☑	1.5m§		10p§	20	1.0T	20	10m	5.0MØ	100	50	86	28	A097	MP5ab
56	1423	30	300m	5.0u	2.0m§	2.0p§†	10p§	20	1.0Tt	20	10m	3.0MØ†	100	6.0	100	16		MP238
57	A183J	30	300m	5.0u☑	3.0m§		40n§	20	2.0Mt	20	5.0m	500kØ†	106	300m	100 †	28	A053a	MP5au
58	3310-12C	30	300m	10u			2.0p§	20	100Gt	20	10m	1.0MØ	106	6.0	100 †	28		MP5f
59	3336-27	30	300m	10u	Δ		10f§			20	10m	1.0kØ	100	400		28		MP290e
60	3338-27	30	300m	10u	Δ		10f§	50		20	10m	1.0kØ	100	400	100 †	28		MP290e
61	C228A	30	300m	10u	1.0m§		5.0p§	20	100Gt	20	10m	7.0MØ	88	25	80	5C		CN2j
62	228A	30	300m	10u	1.5m	160p	320p	10	100G	40	10m		86	25	80			CN2
63	A124	30	300mt	10u☑	2.0m§Δ	100ft	500f§	20	1.0Tt	20	10m	2.0MØ	100	10	92	28	A097	MP5ab
64	1514-25	30	300m	15u	500u§		20n§	20	500kt	20	40m	500kØ	100	600m	80 †	28		MP290
65	10Q7ARQ	30	300mt	20u☑†	Δ		25n§	20	180k	20	4.0m	1.5MØ	84	15 Ø	74	58		MP6j
66	10Q7ARQA	30	300mt	20u☑†	Δ		25n§	20	180k	20	4.0m	1.5MØ	84	15 Ø	74	58		MP6k
67	10Q7ARQB	30	300mt	20u☑†	Δ		25n§	20	180k	20	4.0m	1.5MØ	84	15 Ø	74	58		MP6k
68	10Q8AQAF	30	300mt	20u☑†	Δ		25n§	20	180k	20	4.0m		84	200 Ø	74	58		MP109
69	10Q8AQBF	30	300mt	20u☑†	Δ		25n§	20	180k	20	4.0m		84	200 Ø	74	58		MP109a
70	10Q11ARQ	30	300mt	20u☑†	Δ		150n§	20	180k	20	4.0m	1.5MØ	84	15 Ø	60	58		MP6j
71	10Q11ARQA	30	300mt	20u☑†	Δ		150n§	20	180k	20	4.0m	1.5MØ	84	15 Ø	60	58		MP6k
72	10Q11ARQB	30	300mt	20u☑†	Δ		150n§	20	180k	20	4.0m	1.5MØ	84	15 Ø	60	58		MP6k
73	3267-12C	30	300m	20u			35n§	20	1.0Mt	20	10m	1.0MØ	114	6.0	86	28		MP5bz
74	3307-12C	30	300m	20u			20p§	20	100Gt	20	10m	4.0MØ	106	6.0	66 †	28		MP5f
75	3312-12C	30	300m	20u			20p§	20	100Gt	20	10m	4.0MØ	106	6.0	100 †	28		MP5f
76	3403B	30	300m	20u	Δ	25pt	50p§	20	100Gt	20	10m	8.0MØ	100	12	60 †	28		MP5f
77	SQ10A	30	300m	20u☑	Δ		100n	20	200k	20	10m	1.0MØ	95	1.1	84 †	5A		MP5c
78	1026-01	30	300m	20u	15m	10p§†	20p§	20	100Gt	20	10m	1.0MØ†	100	10	86	28		MP5bt
79	147	30	300mt	25u	Δ		25n§	SE	200kt	20	20m	100M§	100	250		58	A164	MP5bp
80	3311-12C	30	300m	25u			2.0p§	20	100Gt	20	10m	1.0MØ	106	6.0	100 †	28		MP5f
81▼	A158	30	300m	25u☑	Δ	10p	10p	20	100G	20	40m	1.0MØ	100	75	74	28	A053	MP5s
82	C228B	30	300m	25u	1.0m§		5.0p§	20	100Gt	20	10m	7.0MØ	88	25	80	5C		CN2j
83	A125	30	300mt	25u☑	2.0m§	100ft	500f§	20	1.0Tt	20	10m	2.0MØ	100	10	92	28	A097	MP5ab
84	OA201	30	300mt	25u§	6.0m§Δ	40n§	200n§	24	4.0Mt	20	200 Ø		93	1.0	80	28		MP14t
85	OA202	30	300mt	25u§	6.0m§Δ	40n§	200n§	24	4.0Mt	20	70		93	1.0	80	28		MP14t
86	3337-27	30	300m	30u	Δ		10f§			20	10m	1.0kØ	100	400		28		MP290e
87	3339-27	30	300m	30u	Δ		10f§	50		20	10m	1.0kØ	100	400	100 †	28		MP290e
88	1008	30	300m	35u	Δ		100p§	20	100Gt	20	60m	3.0MØ	93	10	86 †	49	A082	MP5c
89	3308-12C	30	300m	50u			50p§	20	100Gt	20	10m	4.0MØ	106	6.0	66 †	28		MP5f
90	3313-12C	30	300m	50u			50p§	20	100Gt	20	10m	4.0MØ	106	6.0	100 †	28		MP5f
91	3403A	30	300m	50u	Δ	25pt	50p§	20	100Gt	20	10m	8.0MØ	100	12	60 †	28		MP5f
92	9727	30	300m	50u	Δ	15p	50p	10	100G	20	40m	10M§	50	75	50	58		MP268
93	H7050G	30	300m	50u	Δ	50p	100p	10	100k	20	60m	10M	95	50 †		28		MP6f
94	PA103	30	300mt	50u§†	Δ	30n§†	300n§†	16 †	300kt	24 †	10mt	400kØ†	69	2.0 †	60 †	58		MP167
95	DL19	30	300mt	50u	1.0m	100p		8.0	100Gt	20	20m	3.0MØ	108	4.5	70	5A		MP5g
96	DL21B	30	300mt	50u	1.0m	100p		8.0	100Gt	20	40m	2.5MØ	108	4.5	70	5A		MP2
97	C228C	30	300m	50u	2.0m§		10p§	20	100Gt	20	10m	7.0MØ	88	25	80	5C		CN2j
98	228C	30	300m	50u	5.0m	320p	640p	10	100G	40	10m		86	25	80			CN2
99	1414-10	30	300m	50u	5.0m§	10p§†	100p§	20	100Gt	20	40m	10MØ†	100	50 †	73	28		MP260
100	1026	30	300m	50u	15m	20p§†	50p§	20	100Gt	20	10m	1.0MØ†	100	10	86	28		MP5bt
101	H7040C	30	300m	75u	Δ	100p	100p	10	10G	20	5.0m	1.0MØ	100	5.0	60	28		MP5ad
102	1673	30	300mt	200u	Δ	3.0pt	10p	16 †	10Tt	20	40m	10MØ	86	30	60	58		MP5z
103	QFT5	30	300m	300u	Δ		1.0n§	12	1.0G	20	10m	1.7MØ	87	5.0	60	28		MP5d
104	310K	30	315m	10u	Δ		10f		300G	20	10m	2.0kØ	100	400		05		MP79
105	311K	30	315m	10u	Δ		10f		300G	20	10m	2.0kØ	100	400	100	05		MP79
106	310J	30	315m	30u	Δ		10f		300G	20	10m	2.0kØ	100	400		05		MP79
107	311J	30	315m	30u	Δ		10f		300G	20	10m	2.0kØ	100	400	100	05		MP79
108	3430K	30	325m	10u			10f§		300Gt	20	20m	2.0ktØ	100	400m		07		MP79
109	3431K	30	325m	10u			1.0n§	20	300Gt	20	20m	2.0ktØ	100	400m	100 †	07		MP79
110	3430J	30	325m	30u			10f§		300Gt	20	20m	2.0ktØ	100	400m		07		MP79

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	3431J	30	325m	30u			1.0n§	20	300Gt	20	20m	2.0kt∅	100	400m	100 †	07		MP79
2	A226	30	330mt	500n☑	50u§Δ		50p§	SE	400kt	20	40m	15Mt∅	140	100		28	A053b	MP5aw
3	A225	30	330mt	1.0u☑	50u§Δ		100p§	SE	400kt	20	40m	15Mt∅	140	100		28	A053b	MP5aw
4	DA15	30	330mt	2.0u	.75m	50p		20	100Gt	20	10m	3.0MØ	100	6.0	72	5A		MP5g
5	DB15	30	330mt	5.0u	.75m	50p		20	100Gt	20	10m	3.0MØ	100	6.0	72	5A		MP5g
6	DC15	30	330mt	10u	.75m	50p		20	100Gt	20	10m	3.0MØ	100	6.0	72	5A		MP5g
7	DE15	30	330mt	20u	.75m	50p		20	100Gt	20	10m	3.0MØ	100	6.0	72	5A		MP5g
8	D15	30	330mt	30u	.75m	50p		20	100Gt	20	10m	3.0MØ	100	6.0	72	5A		MP5g
9	DK15	30	330mt	45u	.75m	50p		20	100Gt	20	10m	3.0MØ	100	6.0	72	5A		MP5g
10	DL15	30	330mt	50u	1.5m	100p		20	100Gt	20	10m	2.5MØ	98	4.5	60	5A		MP5g
11	174AA	30	345m	30ut§	60m§	100n§	500n§	30 Δ	100k	20	40m	4.0MØ	86	80	40 †	5C	A119	TO73
12	174AL	30	345m	30ut§	60m§	100n§	500n§	30 Δ	100k	20	40m	4.0MØ	86	80	40 †	5C	A119	TO86
13	174CA	30	345m	30ut§	60m§	300n§	1.5m§	24 Δ	100k	20	28m	1.0MØ	80	40	40 †	07	A119	TO73
14	174CL	30	345m	30ut§	60m§	300n§	1.5m§	24 Δ	100k	20	28m	1.0MØ	80	40	40 †	07	A119	TO86
15	L174H	30	345m	30ut§	60m§	100n§	500n§	30 Δ	100k	20	40m	4.0MØ	86	80	40 †	8	A119	TO73
16	1700-02	30	360m	200n	50u§		100p§		500k	20	40m	16MØ	160	100		28		MP17d
17	145-08	30	360mt	250n	25u§		100p§		300kt	20 †	25m	10M§	160	250		58		MP53
18	1020-03	30	360m	250n	500u§	5.0n	25n	20	4.0M	20	10m	500kØ	120	300m	100	28		MP5C
19	145	30	360mt	500n	25u§		100p§		300kt	20 †	25m	10M§	160	250		58		MP53
20	145L	30	360mt	500n	25u§		100p§		300kt	20 †	25m	10M§	160	250		58		MP53
21	1700-01	30	360m	500n	50u§		100p§		500k	20	40m	16MØ	160	100		28		MP17d
22	1020-02	30	360m	500n	500u§	5.0n	25n	20	4.0M	20	10m	500kØ	120	300m	100	28		MP5C
23	1762	30	360mt	1.0u	Δ	10n†	25n	20 †	1.0Mt	20	40m	10MØ	100	12	80	28		MP5y
24	1700	30	360m	1.0u	50u§		100p§		500k	20	40m	16MØ	160	100		28		MP17d
25	1020-01	30	360m	1.5u	500u§	5.0n	25n	20	4M	20	10m	500kØ	120	300m	100	28		MP5C
26	DA17	30	360mt	2.0u	.50m	50p		10	100Gt	20	10m	3.0MØ	100	6.0	92	5A		MP5g
27	1761	30	360mt	3.0u	Δ	10n†	25n	20 †	1.0Mt	20	40m	10MØ	100	12	80	28		MP5y
28	1726	30	360mt	5.0u	Δ	10n†	25n	20 †	1.0Mt	20	40m	10MØ	100	12	80	28		MP5y
29	DB17	30	360mt	5.0u	.50m	50p		10	100Gt	20	10m	3.0MØ	100	6.0	92	5A		MP5g
30	1020	30	360m	5.0u	3.0m§	5.0n	25n	20	4.0M	20	10m	500kØ	120	300m	100	28		MP5c
31	3054/01	30	360m	5.0u	3.3m		440n	22	150k	20	10m	1.0MØ	94	1.2	90	28		CN1a
32	3055/01	30	360m	5.0u	3.3m		440n	22	150k	20	10m	1.0MØ	94	1.2	90	28		CN1a
33	3050/01	30	360m	5.0u	3.5m		460n	22	150k	20	20m	1.0MØ	94	1.2	90	5C		CN1a
34	3051/01	30	360m	5.0u	3.5m		460n	22	150k	20	20m	1.0MØ	94	1.2	90	5C		CN1a
35	2119	30	360m	10u	Δ	25p§		20	100G	20	40m	2.5M	100	150	80	58	A079	MP5y
36	DC17	30	360mt	10u	.50m	50p		10	100G	20	10m	3.0MØ	100	6.0	92	5A		MP5g
37	3056/01	30	360m	10u	4.6m		550n	22	300kt	20	10m	900kØ	93	1.0	80	28		CN1a
38	3052/01	30	360m	10u	5.0m		580n	22	150k	20	20m	1.0MØ	93	1.2	80	5C		CN1a
39	1027-01	30	360m	15u	15m§	10p§†	50p§	20	100Gt	20	40m	10MØ	100	60	80	28		MP5s
40	D9	30	360m	20u	Δ	20n		22	200k	20	10m	10MØ	99 †	2.2	94 †	5A		MP5g
41	D14	30	360m	20u	Δ	20n			200k	20	10m	20MØ	86	30		58		MP5j
42	DE17	30	360mt	20u	.50m	50p		10	100G	20	10m	3.0MØ	100	6.0	92	5A		MP5g
43	1009-02	30	360m	25u	Δ		20p§	14	1.0Tt	20	10m	1.5MØt	93	5.0	60 †	58		MP5d
44	2118	30	360m	25u	Δ	30p§		20	100G	20	40m	2.5M	100	150	80	58	A079	MP5y
45	1555/25	30	360m	25u	2.5m☑	250p§		20	100Gt	20	200m	10MØ	86	60		48		MP2a
46	D17	30	360mt	30u	.50m	50p		10	100Gt	20	10m	3.0MØ	100	6.0	92	5A		MP5g
47	3057/01	30	360m	30u	7.8m		660n	22	200kt	20	10m	700kØ	90	.60	100 †	28		CN1a
48	3053/01	30	360m	30u	9.0m		700n	22	150k	20	20m	900kØ	90	1.0	80	5C		CN1a
49	DK17	30	360mt	45u	.50m	50p		10	100Gt	20	10m	3.0MØ	100	6.0	92	5A		MP5g
50	1009-01	30	360m	50u	Δ		20p§	14	1.0Tt	20	10m	1.5MØt	93	5.0	60 †	58		MP5d
51	2117	30	360m	50u	Δ	50p§		20	100G	20	40m	2.5M	100	150	80	58	A079	MP5y
52	1027	30	360m	50u	15m§	10p§†	50p§	20	100Gt	20	40m	10MØ	100	60	80	28		MP5s
53	1009	30	360m	75u	Δ		30p§	14	1.0Tt	20	10m	1.5MØt	93	5.0	60 †	58	A082	MP5d
54	9816	30	360m	100u	20m	20u	50u	2.0	10k	10	6.0m	1.0G§	60	10k	50	58		MP268
55	9491A	30	360m	100u	50m	50u	50u	2.0	10k	10	6.0m	1.0G§	60	1.0k	40	58		MP☑
56	9251	30	360m	400u	50m	7.0u	20u	1.0 †	2.0k	3.0 †	100 Ø	300M§	30	200 †	30 †	57		MP☑
57	416#1	30	360m	500ut	100mt		200n†	20 †	20kt	20 †	4.0 Ø	2.0MØt	53 †	5.0 †	80 †	28		OCT
58	440KR#1	30	360m	500u	100m		200n	20		24	3.0 Ø	25k	500	5.0	80	58	A135	MP190
59	1011-02	30	390m	15u	Δ		30p§	20	100Gt	20	50m	15MØt	93		66	28		MP5s
60	1011-01	30	390m	25u	Δ		30p§	20	100Gt	20	50m	15MØt	93		66	28		MP5s
61	FST155B	30	390m	25u	Δ	20p§	25p§	30	1.0T	20	40m	5.0M§	100	35	66 †	28	A136a	MP199a
62	9807	30	390m	30u	15m	5.0n	20n	21	3.0M	20	400m	1.0M§	90	2.0	30	57		MP5bk
63	1011	30	390m	50u	Δ		30p§	20	100Gt	20	50m	15MØt	93		66	28	A082	MP5s
64	FST155A	30	390m	50u	Δ	20p§	50p§	30	1.0T	20	40m	5.0M§	100	35	66 †	28	A136a	MP199a
65#	SN72709DN*	30	400m		10m	750n	2.0u	16	50k	24	10kØ		83	500mt	65	07	A003	TO116
66▼	LH0024H	30	405m	20u	6.0m	5.0u	25u	24		24	1.0kØ		72	400	60 †	5C	A217	CN1f
67▼	LH0024CH	30	405m	25u	10m	10u	30u	24		20	1.0kØ		69	250	60 †	28	A217	CN1f
68	uA739-6A-393*	30	420m		6.0m§	1.0u§	2.0u§	20	37k	26	5.0kØ		76	1.0	70	07	A109	MP14v
69	111B	30	420m	5u	Δ	3.0n	35n	20	1.0M	20	20m	1.5M	107	6.0	86	28		MP199e
70	FST102B	30	420m	10u§	Δ	25 §	50n§	22	300k	22	10m	10M§	100	20 †	80	28		MP199a
71	FST104B	30	420m	15u	Δ	25n§	75n§	20	300k	20	10m	7.0M§	100	10	73	28	A136	MP199a
72	111A	30	420m	20u	Δ	3.0n	35n	20	1.0M	20	20m	1.5M	107	6.0	86	28		MP199e
73	FST102A	30	420m	20u§	Δ	50 §	50n§	22	300k	22	10m	10M§	100	20 †	80	28		MP199a
74	FST104A	30	420m	25u	Δ	50n§	75n§	20	300k	20	10m	7.0M§	100	10	73	28	A136	MP199a
75	DL17	30	420mt	50u	1.0m	100p		8.0	100Gt	20	10m	2.5MØ	98	4.5	70	5A		MP5g
76	3195-15§	30	450m	500n	90u		160p		500kt	20	20m	1.0MØ	130	1.2		28		MP287
77	3113-15§	30	450m	1.0u	160u		220p		500kt	20	20m	1.0MØ	130	1.2		28		MP287
78	D27	30	450m	2.0u	1.0mΔ		10p§	22	100G	22	22m	1.5MØ	100	2.0	86	5C		MP5ar
79	162C	30	450m	5.0u	Δ	10p	20p	20	1.0T	1.0T	10m	150k	100	10	80	28		MP199a
80	A137	30	450mt	5.0u☑	1.0m§		10p§	20	1.0Tt	20	40m	10MØ	100	100	86	28	A097	MP5ab
81	162B	30	450m	10u	Δ	10p	20p	20	1.0T	1.0T	10m	150k	100	10	80	28		MP199a
82	1902-19	30	450m	10u	500u§		10n§	20	500kt	20	4.0m	1.0MØ	90	1.2	80 †	28		MP296
83	A136	30	450mt	10u☑	1.0m§		10p§	20	1.0Tt	20	40m	10MØ	100	100	86	28	A097	MP5ab
84	1903-19	30	450m	15u			20n§	20	500kt	20	4.0m	1.0MØ	90	600m	80 †	28		MP296
85	1324-01	30	450m	15u	2.0m§	20n§†	200n§	20	3.0Mt	20	20m	10MØ§	100	35 †	100 †	07		TO99
86	162A	30	450m	20u	Δ	10p	20p	20	1.0T	1.0T	10m	150k	100	10	80	28		MP199a
87	1731§	30	450mt	20u	Δ	100pt	200n	8.0 †	200kt	20	200m	5.0MØ	94	2.5	80	28		MP5g
88	3278-14	30	450m	20u			20p§	20	100Gt	20	40m	5.0MØ	100	70	80 †	28		MP5au
89	3401B	30	450m	20u	Δ	10pt	20p§	20	100Gt	20	40m	8.0MØ	100	65	92 †	28		MP5s
90	3402B	30	450m	20u	Δ	10pt	20p§	20	100Gt	20	40m	10MØ	100	60 †	60 †	28		MP5s
91	FSL4	30	450m	20u☑	Δ		5.0n☑	20	1.5M	20	40m	8.0Mt	94	60	100	4A		MP8
92	10M1CM	30	450mt	25u☑†	Δ		50n§	20	400k	20	60m	1.5MØ	100	15 Ø	80	58		MP112
93	147A	30	450mt	25u	Δ		25n§	SE	200kt	20	30m	20M§	100	300		58	A164	MP38a
94♦	1427-01	30	450m	25u	500u§		25p§	20	100Gt	20	20m	6.0MØ	100	20	100 †	28		CN2p
95	1324	30	450m	30u	10m§	30n§†	300n§	20	3.0Mt	20	20m	10MØ§	100	35 †	100 †	07		TO99
96	1017	30	450m	45u	6.0mΔ		100n§	22	50k	20	250m	1.0MØ	92 †	300n	60	28		MP5c
97	1672	30	450mt	50u	Δ	30pt	100p	20 †	10Gt	20	40m	25MØ	94	100	74	58		MP5y
98	1787	30	450mt	50u		100pt	100p	20	100Gt	20	40m	25MØt	93	100	73	58		MP5y
99	3279-14	30	450m	50u			20p§	20	100Gt	20	40m	5.0MØ	100	70	80 †	28		MP5au
100	3401A	30	450m	50u	Δ	10pt	20p§	20	100Gt	20	40m	8.0MØ	100	65	92 †	28		MP5s
101	3402A	30	450m	50u	Δ	10pt	20p	20	100Gt	20	40m	10MØ	100	60	60 †	28		
102♦	1427	30	450m	50u	1.0m§		50p§	20	100Gt	20	20m	6.0MØ	100	20	100 †	28		CN2p
103	H5000G	30	450m	50u	1.0m	100p	100p	10	10M	10	200m	10M	94	200	66	28		MP6f
104	ADO60	30	450m	50u☑	3.0mΔ§		50p§	20	10G	20	40m	10MØ	120	100	66	28		MP42b
105	9723	30	450m	75u	20m	5.0p	10p	22	100G	20	200m	30M§	70	50	40	58		MP6p
106▼	9731	30	480m	700u	Δ	10p	20p	20	100G	20	100m	200M§	60	300	90	59		MP268
107	SK3514-RT	30	500m		2.0mt	20nt		26 †		28 †			106 †		90 †	07		Δ002AL
108	L140AA§	30	500m		5.0m	15n§	75n§	24		24	1.2m	300k	70	200m	80	5C		TO99
109	L140CA§	30	500m		10m	30n§	100n§	24		20	1.0m	300k	60	200m	70	07		TO99
110	ICH8500ATV	30	500m		20m§			20		24	10kØ		86		60	28	A162	CN1f

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MIN.-@25°C MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1	ICH8500TV	30	500m		20m§			20		24	10kØ		86	500m↑	60	28	A162	CN1f
2	L120AA§	30	500m		200m	50p§	50p§	24	1.0G	24	1.2m	3.0M	40	15 ↑	50	5C		TO100
3#	TAA812	30	500m	6.0u	1.0m	40n	280n	12	800k	14	10kØ		104		90	5C	A012	TO99
4	L174AA§	30	500m	30u↑	60m	100n§	500n§	20	100k	20	40m	4.0M	86	80	40 ↑	5C		TO73
5	FST101B	30	510m	10u§	Δ	20 §	50n§	22	300k	20	80m	10M§	113	20 ↑	86	28		MP199
6	FST151B	30	510m	15u§	Δ	10p§	50p§	20	100G	20	80m	10M§	100	100 ↑	86	28		MP199b
7	FST101A	30	510m	20u§	Δ	35 §	50n§	22	300k	20	80m	10M§	113	20 ↑	86	28		MP199
8	FST151A	30	510m	35u§	Δ	20p§	100p§	20	100G	20	80m	10M§	100	100 ↑	86	28		MP199b
9▼	9824	30	540m	10u	7.5m	3.0u	30u	20	300k	20	400m	300M§	80	200	70	59		MP268
10	135P2	30	540m	20u	Δ	50p		30	100G↑	20	20m	5.0MØ	120	100	109	28		MP60
11	ADO24	30	540m	20u	2.0m§		50p§	20	100G	20	20m	5.0M§	88	10	60	28	A056	MP4a
12	ADO25	30	540m	20u	2.0m§		50p§	20	100G	20	2.5m	5.0M§	88	10	60	28	A056	MP4a
13▼	9730	30	540m	30u	20mΔ	20p	100p	20	100G	20	60m	2.0G§	86	1.0k	110	59		MP268a
14	ADO22	30	540m	50u	3.0m§		50p§	20	100G	20	20m	5.0M§	88	10	60	28	A056	MP4a
15	ADO23	30	540m	50u	3.0m§		50p§	20	100G	20	2.5m	5.0M§	88	10	60	28	A056	MP4a
16	9724	30	540m	100u	Δ	5.0p	10p	12	100G	20	200m	300M§	90	1.0k	20	58		MP6p
17	9819	30	540m	100u	Δ	50u	50u	20	10k	20	40m	1.0G§	100	750	100	58		MP6q
18▼	9826	30	540m	100u	Δ	10u	50u	2.0	10k	20	100m	1.0G§	60	1.0k	50	58		MP268
19	ADO20	30	540m	100u	5.0m§		50p§	20	100G	20	20m	5.0M§	88	10	60	28	A056	MP4a
20	ADO21	30	540m	100u	5.0m§		50p§	20	100G	20	2.5m	5.0M§	88	10	60	28	A056	MP4a
21	1859	30	600m	500n	25u§	50p§			200k↑	20	10m	500kØ↑	140 ↑	1.5 ↑		06		MP5aw
22	1030	30	600m	25u	5.0m§	2.0p§↑	20p§	20	100G↑	20	40m	100M§	100	500	86	28		MP204a
23▼	LH0032G883	30	600m	25u↑	10m	2.5n	20n	20		20	1.0kØ	300k↑	63	500 ↑	50	5C	A218	CN18c
24▼	LH0032G	30	600m	25u↑	10m	2.5n	20n	20		20	1.0kØ	300k↑	63	500 ↑	50	5C	A218	CN18c
25	A130	30	600m↑	50u☑	Δ	10p↑	50p§	20	1.0T	20	40m	15MØ	94	500	80 ↑	28	A097	MP5ab
26	A131	30	600m↑	50u☑	Δ	10p↑	50p§	20	1.0T	20	40m	15MØ	94	300	80 ↑	28	A097	MP5ab
27	9406	30	600m	125u	10m	2.0u	10u	12	5.0k	20	6.0m	1.0G§	57	300	50	58		CN☑
28	9906	30	600m	150u	10m	3.0u	10u	20	50k	20	9.0m	300M§	60	250	50	5C		
29	101C	30	640m	5.0u	1.0m	2.0n§		20 Δ	4.0M	22	5.0m	10MØ	100	2.0	86	$7		MP8b
30	101B	30	640m	10u	1.0m	2.0n§		20 Δ	4.0M	22	5.0m	10MØ	100	2.0	86	$7		MP8b
31	101A	30	640m	20u	1.0m	2.0n§		20 Δ	4.0M	22	5.0m	10MØ	100	2.0	86	$7		MP8b
32	9809	30	660m↑	1.0u	1.0m	5.0n	50n	20	100M	20 ↑	50 Ø	1.0M§↑	130	300m↑	50	58		MP5bk
33▼	LH0032CG	30	660m	25u↑	5.0m	10n	5.0n	20		20	1.0kØ	300k↑	60	500 ↑	50	28	A218	CN18c
34	9720	30	660m	1.0m	50m	5.0p	10p	22	100G	20	6.0m	20MØ	40	100	60	58		MP5bk
35	9811	30	690m	600n	5.0m	5.0n	50n	20	100M	20	400m	1.0M§	120	2.0	50	58		MP5bk
36	L143AL§*	30	750m		5.0m	50n§	200n☑	24 Δ		20	1.0m	300kØ	70		80	5C	A141	TO86
37	L143AP§*	30	750m		5.0m	50n§	200n☑	24 Δ		20	1.0m	300kØ	70		80	5C	A141	TO116
38	L144AL	30	750m		5.0m	50n	150n	24		20	1.5m	400kØ	80	400m	90	5C	A201	TO86
39	L143CL§*	30	750m		10m	60n§	250n☑	24 Δ		20	1.0m	300kØ	60		70	07	A141	TO86
40	L143CP§*	30	750m		10m	60n§	250n☑	24 Δ		20	1.0m	300kØ	60		70	07	A141	TO116
41	9817	30	750m	2.0u	1.0m	50n	200n	20	1.0M	20	100m	300M§	120	300	86	58		MP268
42	9818	30	750m	2.0u	1.0m	50n	200n	20	1.0M	20	100m	70M§	120	40	86	58		MP268
43	9803	30	750m	2.0u	5.0m	5.0n	50n	20	100M	20	400m	15M§	120	100	50	58		MP5bk
44	1016	30	750m	20u§	Δ		10n§	20	200k	20	200m	10MØ↑	109	60	100 ↑	28		MP10
45	1717	30	750m↑	25u	Δ	200n↑	500n	10	200k↑	22	220m	2.0MØ↑	86	1.5 ↑	80	58		MP5am
46	D32	30	750m	25u	5.0m	.75u		20	100k	22	80m	800kØ	88	.25	90 ↑	5A		MP5u
47	D33	30	750m	25u	5.0m	.75u		20	100k	22	220m	800kØ	88	.25	90 ↑	5A		MP5g
48	L174AL§	30	750m	30u↑	60m	100n§	500n§	20	100k	20	40m	4.0M	86	80	40 ↑	5C		TO86
49	H60	30	750m	40u§	Δ		100p§	20	100G↑	20	20m	10MØ	92	100	90 ↑	58		CN2f
50	3400B	30	750m	50u	Δ	50p↑	100p§	20	100G↑	20	40m	100MØ	90	1.0k↑	66 ↑	28		MP5s
51	A440	30	750m↑	50u☑	Δ		50p§	20	1.0T	20	200m	15MØ	93	300	80 ↑	28		MP5ab
52	3400A	30	750m	100u	Δ	50p↑	100p§	20	100G↑	20	40m	100MØ	90	1.0k↑	66 ↑	28		MP5s
53▼	MS747C	30	800m		6.0m	500n	1.5u	24	300k	20	2.0kØ		93		70	5C		TO85
54▼	MSN5558	30	800m		7.5m	300n	800n	24	300k	20	2.0kØ		93		70	5C	A214	TO90
55	1680	30	900m↑	750n	Δ		100p	SE		20	40m	25MØ	160	100		28		MP37
56	9808	30	900m	2.0u	1.0m		100n		500k	20	200m	60M§	120	1.8k		58		MP213
57	3341-15C	30	900m	25u	1.0m§		100p§		100G↑	20	200m	50MØ	100	1.0k		28		MP287a
58	1025	30	900m	25u	10m↑§	10u↑	50p§	4.0	100G	20	100m	5.0M	100	500		28		MP5bm
59	AD301AN	30	900m	30u	10m	70n	300n	24 Δ	500k	20	10kØ		87		70	07	A134	MP189
60	3342-15C	30	900m	50u	1.0m§		100p§		100G↑	20	200m	50MØ	100	1.0k		28		MP287a
61	976A	30	900m	250u	10m	10u	30u	5.0 ↑	3.0k	20 ↑	3.0kØ	300M§	50	250 ↑	70 ↑	57		MP☑
62	9804	30	990m	100u	5.0m	3.0u	20u	20	3.0k	20	400m	500MØ	50	250	70	57		MP5bk
63	9822	30	990m	100u	7.5m	3.0u	30u	20	3.0k	20	400m	100M§	50	40	70	58		MP5bk
64	9805	30	1.0	10u	1.0m		20n		2.0M	20	400m	50M§	100	750		58		MP213
65	2151	30	1.0	25u§	Δ	15n§			250k	20	200m	12M	92	750		27		MP208a
66	2108	30	1.0	25u§	1.0m§	15n§			250k	20	100m	10M	100	600		27		MP208
67	9726	30	1.0	75u	20m	10p	30p	20	10G	20	400m	100M§	48	50	50	57		MP268
68	9412	30	1.0	150u	7.5m	3.0u	30u	22	3.0k	20	400m	300M§	50	200	70	57		CN☑
69	9712	30	1.0	150u	7.5m	10p	30p	20	10G	20	400m	400M§	48	200	50	57		MP☑
70	9725	30	1.0	150u	20m	10p	30p	20	10G	20	400m	400M§	48	300	50	57		MP268
71	L144AP	30	1.2		5.0m	50n	150n	24		20	1.5m	400kØ	80	400m	90	5C	A201	TO116
72	L144CJ	30	1.2		10m	70n	200n	24		20	1.5m	400kØ	80	400m	80	07	A201	TO116
73	L144CP	30	1.2		10m	70n	200n	24		20	1.5m	400kØ	80	400m	80	07	A201	TO116
74▼	A138	30	1.2	50u☑	Δ	100p	100p		10G	20	200m	10MØ	92	600		28	A053	MP162
75	OA304	30	1.3	500n	2.0m§	25n§	100n§	24	4.0M↑	20	2.0kØ		93	5.0	80	27		MP14t
76	OA305	30	1.3	1.0u	2.0m§	25n§	100n§	24	4.0M↑	20	2.0kØ		93	5.0	80	27		MP14t
77	OA301A	30	1.3	1.5u	2.0m§	25n§	100n§	24	4.0M↑	20	2.0kØ		93	5.0	80	27		MP14t
78	OA302	30	1.3	3.0u	2.0m§	25n§	100n§	24	4.0M↑	20	2.0kØ		93	5.0	80	27		MP14t
79▼	FS24	30	1.4	40u§	10m	200p	1.0n	20	100G	20	60m	25MØ	86	300	70	05		MP332
80	1019	30	1.5	25u	2.0m↑§	10u↑	50p§	20	100G	20	40m	5.0M	100	1.0k	100	28		MP5bm
81▼	A134	30	1.5	50u☑	Δ	100p	100p	20	1.0T	20	200m	20MØ	93	1.0k	66 ↑	28	A044	MP5bs
82	ZA910M1	30	1.5 ↑	100u§	Δ		400p§	SE	100G↑	20	100m	70MØ	120	2.0k		28		MP208b
83#	SN72741DN*	31	170m		7.5m	300n	800n	24	300k	24	10kØ		86	500m↑	70	07	A154	TO116
84	108	32	160m↑	20u	Δ	2.0n↑		20 Δ	4.0M	20	5.0m	500kØ	94	120m	86	28		MP6c
85	141CΔ	32	160m↑	25u☑	Δ	10p§	30p§	14	100G	20	4.0m	3.0MØ	178	3.0	60	58		MP5k
86	141B	32	160m↑	40u☑	Δ	10p§	30p§	14	100G	20	4.0m	3.0MØ	178	3.0	60	58		MP5k
87	141A	32	160m↑	75u☑	Δ	10p§	50p§	14	100G	20	4.0m	3.0MØ	178	3.0	60	58		MP5k
88	180B	32	176m↑	.50u☑	.10m§	1.0n§	4.0n§	20 Δ	2.0M	20	5.0m	1.0MØ	109	.60	100	58		MP6c
89	180K	32	176m↑	.50u	.10m§	5.0n		20 Δ	2.0M	20	5.0m	1.0MØ	109	.60	100	$6		MP6c
90	180J	32	176m↑	1.5u	.25m§	5.0n		20 Δ	2.0M	20	5.0m	1.0MØ	109	.60	100	$6		MP6c
91	180A	32	176m↑	1.5u☑	1.0m§	1.0n§	4.0n§	20 Δ	2.0M	20	5.0m	1.0MØ	109	.60	100	58		MP6c
92	142CΔ	32	224m	15u☑	Δ	10p§	25p§	18	100G	20	40m	5.0MØ	178	10	66	58		MP5c
93	142B	32	224m	25u☑	Δ	10p§	25p§	18	100G	20	40m	5.0MØ	178	10	66	58		MP5c
94	142A	32	224m	50u☑	Δ	10p§	50p§	18	100G	20	40m	5.0MØ	178	10	66	58		MP5c
95	148B	32	252m	25u	Δ	10p§	30p§	18 Δ	100G	20	20m	10MØ	89	50	66	28		MP5p
96	148A	32	252m	50u	Δ	10p§	50p§	18 Δ	100G	20	20m	10MØ	89	50	66	28		MP5p
97	110B	32	256m	10u	Δ		30n§		1.0M	20	20m	20MØ	94	100		28		MP6c
98	110A	32	256m	20u	Δ		30n§		1.0M	20	20m	20MØ	94	100		28		MP6c
99	301	32	432m	50u☑	Δ		2.0p§	600 Δ	10G	20	20m	500kØ	114	300k	160	28		MP17c
100	143A	32	480m	25n☑	Δ	10p§	30p§	18	100G	20	40m	5.0MØ	80	7.0	92	58		MP5m
101	143CΔ	32	480m	7.0u☑	Δ	10p§	15p§	18	100G	20	40m	5.0MØ	80	7.0	92	58		MP5m
102	143B	32	480m	15u☑	Δ	10p§	15p§	18	100G	20	40m	5.0MØ	80	7.0	92	58		MP5m
103	149C	32	540m	7.0u	Δ	10p§	15p§	18 Δ	100G	20	15m	15MØ	100	100	84	28		MP5n
104	149B	32	540m	15u	Δ	10p§	15p§	18 Δ	100G	20	15m	15MØ	100	100	84	28		MP5n
105	149A	32	540m	30u	Δ	10p§	30p§	18 Δ	100G	20	15m	15MØ	100	100	84	28		MP5n
106	147C	32	704m↑	5.0u☑	1.0m§	3.0p§	15p§	18 Δ	100G	20	20m	10MØ	140	10	109	58		MP8b
107	147B	32	704m↑	10u☑	1.0m§	3.0p§	15p§	18 Δ	100G	20	20m	10MØ	140	10	109	58		MP8b
108	147AΔ	32	704m↑	15u☑	1.0m§	10p§	30p§	18 Δ	100G	20	20m	10MØ	140	10	109	58		MP8b
109	120B	32	720m	8.0u	Δ		55n§		200k↑	20 ↑	25m↑	10MØ	89	250		28		MP5ab
110	120A	32	720m	20u	Δ		55n§		200k	20	25m	10MØ	114	250		28		MP5q

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1	210	32	800m†	1.0uØ	100m§	100p§		SE	500k	20	40m	20MØ	160	100		28		MP17b
2	211	32	800m†	2.0uØ	100m§	150p§		SE	500k	20	40m	20MØ	160	100		28		MP17b
3#	TAA765W	36		6.0u	2.0m	50n	1.0u		200k	24	400 Ø		90	9.0	80	28	A125	FP26
4#	SFC2310	36		10u	10m		10n		10G	20			0.0			07	A122	TO99
5#	SFC2110M	36		12u	6.0m		10n		10G	20			0.0			5C	A122	TO99
6#	SFC2210	36		12u	6.0m		10n		10G	20			0.0			28	A122	TO99
7#	SFC2308	36		30u	10m	1.5n	10n	28	10M	26			94		80	07	A098	TO99
8	uA776-5B-312	36	500ut	5.0ut	2.0mt	3.0nt	10nt	36	3.0Mt	24	75kØ	300kØ	100 †	160nt	70	5C	A187	TO99
9	uA776-6A-312	36	500ut	5.0ut	2.0mt	3.0nt	10nt	36	3.0Mt	24	75kØ	300kØ	100 †	160nt	70	5C	A187a	MP14v
10	uA776-5B-393	36	1.0mt	10ut	3.0mt	3.0nt	10nt	36	3.0Mt	24	75kØ	300kØ	100 †	160nt	70	07	A187	TO99
11	uA776-6A-393	36	1.0mt	10ut	3.0mt	3.0nt	10nt	36	3.0Mt	24	75kØ	300kØ	100 †	160nt	70	07	A187a	MP14v
12	uA776-9A-393	36	1.0mt	10ut	3.0mt	3.0nt	10nt	36	3.0Mt	24	75kØ	300kØ	100 †	160nt	70	07	A187a	MP39d
13	uA776-9T-393	36	1.0mt	10ut	3.0mt	3.0nt	10nt	36	3.0Mt	24	75kØ	300kØ	100 †	160nt	70	07	A187	MP48a
14▼	CA3094AT	36	12m		7.0m	300n	700n	27	500k	27 †	2.0kØ	4.0kt	86	500 †	70	5C	A207	Δ002AL
15	SG108T	36 ♦	16m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	800k	94	400m	85	5C	A098	TO99
16	SG208T	36 ♦	16m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	800k	94	400m	85	5C	A098	TO99
17	308F	36	16m	30u	10m	1.5n	10n	28	10M	26	2.6m	800k	88	400m	80	07	A098	TO91
18	308H	36	16m	30u	10m	1.5n	10n	28	10M	26	2.6m	800k	88	400m	80	07	A098	TO99
19	LM308D	36	16m	30u	10m	1.5n	10n	28	10M	26	2.6m	800k	88	400m	80	07	A098	MP148
20	LM308F	36	16m	30u	10m	1.5n	10n	28	10M	26	2.6m	800k	88	400m	80	07	A098	FP2
21	LM308H	36	16m	30u	10m	1.5n	10n	28	10M	26	2.6m	800k	88	400m	80	07	A098	CN1c
22▼	LM308N	36	16m	30u	10m	1.5n	10n	28	10M	26	2.6m	800k	88	400m	80	07	A098	MP189
23	LM312	36	16m	30u	10m	1.5n	10n	28	10M	26	2.6m	800k	88	400m	80	07		TO99
24	LM312D	36	16m	30u	10m	1.5n	100p	28	10M	26	2.6m	800k	88	400m	80	07		MP14r
25	LM312F	36	16m	30u	10m	1.5n	10n	28	10m	26	2.6m	800k	88	400m	80	07		FP2
26	N5308G	36	16m	30u	10m	1.5n	10n	28	10M	26	2.6m	800kØ	88	400m	80	07	A098	TO91
27	N5308T	36	16m	30u	10m	1.5n	10n	28	10M	26	2.6m	800kØ	88	400m	80	07	A098	CN1g
28	SG308M	36	16m	30u	10m	1.5n	10n	28	10M	26	2.6m	800k	88	400m	80	07	A098	MP189a
29	SG3118T	36	16m	30u	10m	1.5n	10n	28	10M	26	2.6m	800k	88	400m	80	07		TO99
30	SN72308AJ	36 ♦	28m	5.0u	730u	1.5n	10n	28	10M	26	10kØ		98		96	07	A198	MP139
31	SN72308AL	36 ♦	28m	5.0u	730u	1.5n	10n	28	10M	26	10kØ		98		96	07	A198	TO99
32	SN72308AN	36 ♦	28m	5.0u	730u	1.5n	10n	28	10M	26	10kØ		98		96	07	A198	MP39h
33	SN72308AP	36 ♦	28m	5.0u	730u	1.5n	10n	28	10M	26	10kØ		98		96	07	A198	MP267
34	SN72308AU	36 ♦	28m	5.0u	730u	1.5n	10n	28	10M	26	10kØ		98		96	07	A198	Δ004AE
35	SN72308J	36 ♦	28m	30u	10m	1.5n	10n	28	10M	26	10kØ		88		80	07	A198	MP139
36	SN72308L	36 ♦	28m	30u	10m	1.5n	10n	28	10M	26	10kØ		88		80	07	A198	TO99
37	SN72308N	36 ♦	28m	30u	10m	1.5n	10n	28	10M	26	10kØ		88		80	07	A198	MP39h
38	SN72308P	36 ♦	28m	30u	10m	1.5n	10n	28	10M	26	10kØ		88		80	07	A198	MP267
39	SN72308U	36 ♦	28m	30u	10m	1.5n	10n	28	10M	26	10kØ		88		80	07	A198	Δ004AE
40#	TAA761A	36	60m	6.0u	2.0m	50n	1.5u	30	200k	24	400 Ø		90	3.0	80	07	A125	
41#	TAA761W	36	60m	6.0u	2.0m	50n	1.0u		200k	24	400 Ø		90	9.0	80	07	A125	FP26
42#	TAA765	36	60m	6.0u	2.0m	50n	1.5u	30	200k	24	400 Ø		90	3.0	80	28	A125	TO78
43#	TAA765A	36	60m	6.0u	2.0m	50n	1.5n	30	200k	24	400 Ø		90	3.0	80	28	A125	
44#	L141T1	36	85m		7.5m	300n	800n	24	300k	20	2.0kØ	1.0M	86	500m	70	07	A042k	TO99
45#	TBA221Δ	36	85m	10u	5.0m	200n	500n	30	300k	20	2.0kØ		86	500mt	70	07	A042k	TO79
46#	TBA221A	36	85m	10u	5.0m	200n	500n	30	300k	20	2.0kØ		86	500mt	70	07	A042k	MP39
47	LA709AF	36	90m	5.0u	5.0m	200n	500n	20	150k	20	2.0kØ	1.0MØ	88		70	5C	A003	TO91
48	LA709AH	36	90m	5.0u	5.0m	200n	500n	20	150k	20	2.0kØ	1.0MØ	88		70	5C	A003	CN1a
49	301AH	36	90m	30u	10m	60n	300n	24	500k	20	5.0m *	800k	88	500mt	70	07	A001	TO99
50	301AN	36	90m	30u	10m	70n	300n	24	500k	20	5.0m	800k	88	500mt	70	07	A001	
51	LM301AD	36	90m	30u	10m	70n	300n	24	500k	20	5.0m	800k	88	500m	70	07		
52	LM307D	36	90m	30u	10m	70n	300n	24	500k	20	5.0m	800k	88	500m	70	07		
53#	TAA522Δ	36	110m	25u	3.0m	200n	600n	20	150k	20	2.0kØ		88	250m	80	5C	A124	TO79
54	LM709A	36	165m	5.0ut	5.0m	.20u	.50u	20		28		1.0MØ	94			5C		
55▼	A139	36	180m	15uØ	1.0m	25p	25p	10	100G	20	40m	500k	100	50	78	28	A053	MP5s
56	H3100G	36	180m	500u	10mt	5.0n	10nØ	20	100k	20	3.0m	1.2M		1.2	55	28		MP51
57	LM210D	36 ♦	198m	6.0u	6.0m		10n		10G	20	10kØ		0.0			28	A122	MP14r
58	LM210F	36 ♦	198m	6.0u	6.0m		10n		10G	20	10kØ		0.0			28	A122	FP2n
59	LM210H	36 ♦	198m	6.0u	6.0m		10n		10G	20	10kØ		0.0			28	A122	TO99
60	SG310T	36 ♦	198m	10ut	10m		10n	30	10G	20	10kØ	4.0MØ	0.0	30	80	07	A122	TO99
61	SN72310L	36 ♦	198m	10ut	10m		10n		10G	20	10kØ	4.0MØ	0.0	30 †		07		TO99
62	SN72310P	36 ♦	198m	10ut	10m		10n		10G	20	10kØ	4.0Mt Ø	0.0	30 †		07		MP161
63	SN72310U	36 ♦	198m	10ut	10m		10n		10G	20	10kØ	4MØ	0.0	30 †		07		Δ004AA
64	LM110D	36 ♦	198m	12u	6.0m		10n		10G	20	10kØ		0.0			5C	A122	MP14r
65	LM110F883	36 ♦	198m	12u	6.0m		10n		10G	20	10kØ		0.0			5C	A122	FPØ
66	LM110F	36 ♦	198m	12u	6.0m		10n		10G	20	10kØ		0.0			5C	A122	FP2n
67	LM110H883	36 ♦	198m	12u	6.0m		10n		10G	20	10kØ		0.0			5C	A122	TO99
68	LM110H	36 ♦	198m	12u	6.0m		10n		10G	20	10kØ		0.0			5C	A122	TO99
69	SG110T	36 ♦	198m	12u	6.0m		10n		10G	20	10kØ	20M	0.0			5C	A122	TO99
70	SG210T	36 ♦	198m	12u	6.0m		10n		10G	20	10kØ	20M	0.0			5C	A122	TO99
71	SN52110L	36 ♦	198m	12u	6.0m		10n		10G	20	10kØ	4.0Mt Ø	0.0	30 †		5C		TO99
72	SN52110U	36 ♦	198m	12u	6.0m		10n		10G	20	10kØ	4.0MØ	0.0	30 †		5C		Δ004AA
73	PC210	36	200mt	15u	5.0m§	130n§	600nt§	30 †	50k	28 †	5.0kØ	1.2Mt	65	200ut	65	5C	A028	FP7d
74#	TAA521Δ	36	280m	10ut	7.5m	500n	1.5u	20	50k	20	2.0kØ		81	250m	65	07	A124	TO79
75#	TAA521A	36	280m	10u	7.5m	500n	1.5u	20	50k	20	2.0kØ		81	250m	65	07	A124a	MP39
76	TOA118F	36	288m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15M	94	50	80	5C	A172a	TO91
77	TOA118J	36	288m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15M	94	50	80	5C	A173a	TO116
78	TOA118V	36	288m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15M	94	50	80	5C	A174b	TO99
79	TOA218F	36	288m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15M	94	50	80	28	A172a	TO91
80	TOA218J	36	288m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15M	94	50	80	28	A173a	TO116
81	TOA218V	36	288m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15M	94	50	80	28	A174b	TO99
82	SP2AU	36	288m	150u	Δ		10p	600	10Gt	22	4.4m	75k§	103	80mt		06		CB2
83	TOA318F	36	360m		15m	300n	1.0u	23	500k	24	2.0kØ	15M	88	50	70	07	A172a	TO91
84	TOA318J	36	360m		15m	300n	1.0u	23	500k	24	2.0kØ	15M	88	50	70	07	A173a	TO116
85	TOA318V	36	360m		15m	300n	1.0u	23	500k	24	2.0kØ	15M	88	50	70	07	A174b	TO99
86	FST156B	36	360m	20u	Δ	10p§	20p§	20	1.0T	20	40m	5.0M§	98	40	69	28	A136a	MP199a
87	FST156A	36	360m	40u	Δ	10p§	50p§	20	1.0T	20	40m	5.0M§	98	40	69	28	A136a	MP199a
88	402	36	360mt	50ut	Δ		300nt§	16	300kt	24	10	300ktØ	69	1.0	60 †	5F		MP167a
89#	TBA231	36	420m		6.0m	1.0u	2.0u	22		26			70	1.0	70	07		TO116
90	CA3033A	36	420m	6.6ut	5.0m§	25n§	200m§	18 §	400k	30	60m	10kt	90	2.5 †	96	5C	A061	MP3
91	CA3047A	36	420m	6.6ut	5.0m§	25n§	200n§	18 §	400k	30	60m	10kt	90	2.5 †	96	07	A061	TO116
92	FST152C	36	468m	10u	Δ	10p§	20p§	20	1.0T	20	40m	12M§	113	75	69	28	A136a	MP199a
93	FST157C	36	468m	10u	Δ	10p§	20p§	20	1.0T	20	40m	12M§	109	40	69	28	A136a	MP199a
94	FST158B	36	468m	20u	Δ	10p§	20p§	20	1.0T	20	40m	5.0M§	109	40	69	28	A136a	MP199a
95	FST159B	36	468m	20u	Δ	10p§	20p§	20	1.0T	20	40m	5.0M§	109	40	86	28	A136a	MP199a
96	FST152B	36	468m	25u	Δ	10p§	20p§	20	1.0T	20	40m	12M§	113	75	69	28	A136a	MP199a
97	FST157B	36	468m	25u	Δ	10p§	50p§	20	1.0T	20	40m	12M§	109	40	69	28	A136a	MP199a
98	FST158A	36	468m	40u	Δ	10p§	50p§	20	1.0T	20	40m	5.0M§	109	40	69	28	A136a	MP199a
99	FST159A	36	468m	40u	Δ	10p§	50p§	20	1.0T	20	40m	5.0M§	109	40	86	28	A136a	MP199a
100	FST152A	36	468m	50u	Δ	10p§	30p§	20	1.0T	20	40m	12M§	113	100 †	69	28	A136a	MP199a
101	FST157A	36	468m	50u	Δ	10p§	100p§	20	1.0T	20	40m	12M§	109	40	69	28	A136a	MP199a
102	FST160B	36	612m	20u	Δ	10p§	50p§	20	1.0T	20	40m	18M§	100	75	86	28	A136a	MP199a
103	FST161B	36	612m	20u	Δ	10p§	50p§	20	1.0T	20	40m	18M§	100	150	60	28	A136a	MP199a
104	FST160A	36	612m	40u	Δ	10p§	100p§	20	1.0T	20	40m	18M§	100	75	86	28	A136a	MP199a
105	FST161A	36	612m	40u	Δ	10p§	100p§	20	1.0T	20	40m	18M§	100	150	60	28	A136a	MP199a
106	A132	36	720m	50uØ	Δ	10	50p§	20	1.0Tt	6.0ut	5.0m	50M	100	1.5k	60	28	A097	MP5ab
107	A133	36	720m	50uØ	Δ	10	50p§	20	1.0Tt	6.0ut	5.0m	50M	100	1.5k	60	28	A097	MP5ab
108▼	HX0032	36	1.5	25u	2.0m	25p	100p		10G	30	15m	50Mt Ø	63	500 †	50	5C		TO8
109▼	HX0032C	36	1.5	25u	3.0m	50p	200p		10G	30	15m	50Mt Ø	60	500 †	50	07		TO8
110	NH0024	40			6.5m	7.0u	50u	24		24	6.0m		69	500	70	5C		TO99

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS						MIN. OUTPUT CHAR.@25°C		3dB BW	MIN TRANSFER CHAR @ 25°C O.L. VOLT. GAIN	SLEW RATE	CMRR	T C E O M D P E	CKT.	DRAWINGS OUT-LINE Δ=MO
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	OVER OPERATING TEMP. RANGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	(Hz)	(dB)	(V/uS)	(dB)	-+		
1	NH0024-883	40			6.5m	7.0u	50u	24		24	6.0m		69	500	70	5C		TO99
2	NH0024C	40			8.0m		10u	65u	24		24	6.0m		69	500	70	07		TO99
3#	SFC2108M	40		15u	3.0m	400p	3.0n	28	30M	26			94		85	5C	A098	TO99
4#	SFC2208	40		15u	3.0m	400p	3.0n	28	30M	26			94		85	28	A098	TO99
5	LM301AN	40 ♦		30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A001	MP236
6	SG301AM	40 ♦		30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A001	MP189a
7	NH0001	40	5.0m	4.0u†	2.0m	.10u	.30u	28	500k	20		5.0MØ	100	.25	70	5C	A004	CN8
8	NH0001-883	40	5.0m	4.0u†	2.0m	100n	300n	28	500k	20		5.0MØ	100	250m	70	5C	A004	CN8
9	NH0001C	40	5.0m	4.0u†	2.0m	.10u	.30u	28	500k	20		5.0MØ	100	.25	70	07		
10	LM216AD	40	16m		6.0m	30p	100p	26	5.0G	26	2.6m		84	400m	80	28		MP14r
11	LM216AF	40	16m		6.0m	30p	100p	26	5.0G	26	2.6m		84	400m	80	28		FP2
12	LM216AH	40	16m		6.0m	30p	100p	26	5.0G	26	2.6m		84	400m	80	28		TO99
13	LM316AD	40	16m		6.0m	30p	100p	26	5.0G	26	2.6m		84	400m	80	07		MP14r
14	LM316AF	40	16m		6.0m	30p	100p	26	5.0G	26	2.6m		84	400m	80	07		FP2
15	LM316AH	40	16m		6.0m	30p	100p	26	5.0G	26	2.6m		84	400m	80	07		TO99
16	LM216D	40	16m		15m	100p	250p	26	1.0G	26	2.6m		82	400m	80	28		MP14r
17	LM216F	40	16m		15m	100p	250p	26	1.0G	26	2.6m		82	400m	80	28		FP2
18	LM216H	40	16m		15m	100p	250p	26	1.0G	26	2.6m		82	400m	80	28		TO99
19	LM316D	40	16m		15m	100p	250p	26	1.0G	26	2.6m		82	400m	80	07		MP14r
20	LM316F	40	16m		15m	100p	250p	26	1.0G	26	2.6m		82	400m	80	07		FP2
21	LM316H	40	16m		15m	100p	250p	26	1.0G	26	2.6m		82	400m	80	07		TO99
22	LM108AH883	40	16m	5.0u	1.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	5C	A098	CN1c
23	108F	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	5C	A098	TO91
24	108H	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	5C	A098	TO99
25	208F	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	28	A098	TO91
26	208H	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	28	A098	TO99
27	AMLM108F	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	5C	A098	FP2
28	LM108D	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	5C	A098	MP148
29	LM108F883	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	5C	A098	FP2
30	LM108F	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	5C	A098	FP2
31	LM108H883	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	5C	A098	CN1c
32	LM108H	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	5C	A098	CN1c
33	LM112	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	5C		TO99
34	LM112D	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	5C		MP14r
35	LM112F	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	5C		FP2
36	LM208D	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	28	A098	MP148
37	LM208F	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	28	A098	FP2
38	LM208H	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	28	A098	CN1c
39	LM212	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	28		TO99
40	LM212D	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	28		MP14r
41	LM212F	40	16m	15u	3.0m	400p	3.0n	28	30m	26	2.6m	800k	94	400m	85	28		FP2
42	S5108G	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800kØ	94	400m	85	5C	A098	TO91
43	S5108T	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800kØ	94	400m	85	5C	A098	CN1g
44	SG1118T	40	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	5c		TO99
45	SG2118T	40 ♦	16m	15u	3.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	5c		TO99
46	AMLM108AD	40 ♦	18m	5.0u	1.0m	400u	3.0n	27	30M	26	10kØ		98		96	5C	A157	MP151a
47	AMLM108AH	40 ♦	18m	5.0u	1.0m	400u	3.0n	27	30M	26	10kØ		98		96	5C	A157	TO99
48	AMLM208AD	40 ♦	18m	5.0u	1.0m	400u	3.0n	27	30M	26	10kØ		98		96	28	A157	MP151a
49	AMLM208AH	40 ♦	18m	5.0u	1.0m	400u	3.0n	27	30M	26	10kØ		98		96	28	A157	TO99
50	AMLM108D	40 ♦	18m	15u	3.0m	400u	3.0n	27	30M	26	10kØ		93		85	5C	A157	MP151a
51	AMLM108H	40 ♦	18m	15u	3.0m	400u	3.0n	27	30M	26	10kØ		93		85	5C	A157	TO99
52	AMLM208D	40 ♦	18m	15u	3.0m	400u	3.0n	27	30M	26	10kØ		93		85	28	A157	MP151a
53	AMLM208H	40 ♦	18m	15u	3.0m	400u	3.0n	27	30M	26	10kØ		93		85	28	A157	TO99
54▼	LM116AD	40	24m		6.0m	30p	100p	26	5.0G	26	10kØ		92		80	28	A208	MP322
55▼	LM116AF	40	24m		6.0m	30p	100p	26	5.0G	26	10kØ		92		80	28	A208	FP2n
56▼	LM116AH	40	24m		6.0m	30p	100p	26	5.0G	26	10kØ		92		80	28	A208	TO99
57	108AF	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		92		96	5C	A098	TO91
58	108AH	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		92		96	5C	A098	TO99
59	208AD	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		92		96	28	A098	TO116
60	208AF	40	24m	5.0u	1.0m	450p	3.0n	27	30M	26	10kØ		92		96	28	A098	TO91
61	208AH	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		92		96	28	A098	TO99
62	308AD	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		92		96	07	A098	TO116
63	308AF	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		92		96	07	A098	TO91
64	AMLM108AF	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A098	FP2n
65	LA108AH	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ	800k	98	400m	96	5C	A098	CN1d
66	LA208AH	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ	800k	98	400m	96	28	A098	CN1d
67▼	LH2108AF	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	2.6m	10 †	92	200m†	96	5C		FP28
68▼	LH2208AD	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	2.6m	10 †	92	200m†	96	28		MP230a
69▼	LH2208AF	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	2.6m	10 †	92	200m†	96	28		FP28
70	LM108AD	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A098	MP14r
71	LM108AF883	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30m	26	10kØ		92		96	5C		FP2n
72	LM108AF	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A098	FP2n
73	LM108AH	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A098	CN1d
74	LM208AD	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A098	MP14r
75	LM208AF	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A098	FP2n
76	LM208AH	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A098	CN1d
77▼	LM308AN	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		92		96	07	A098	MP189
78	SG108AT	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		92		96	5C		TO99
79	SG208AT	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		92		96	28		TO99
80	SG1118AT	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		92		96	5c		TO99
81	SG2118AT	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		92		96	28		TO99
82	SG3118AT	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		92		96	07		TO99
83	SN52108AJ	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A198	MP139
84	SN52108AL	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A198	TO99
85	SN52108AN	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A198	MP39h
86	SN52108AU	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A198	Δ004AE
87	JANM38510/10104ACA	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	MP315
88	JANM38510/10104ACB	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	MP315
89	JANM38510/10104ACC	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	MP315
90	JANM38510/10104ACD	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	MP315
91	JANM38510/10104AGA	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	CN1k
92	JANM38510/10104AGB	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	CN1k
93	JANM38510/10104AGC	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	CN1k
94	JANM38510/10104AGD	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	CN1k
95	JANM38510/10104AHA	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	FP2r
96	JANM38510/10104AHB	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	FP2r
97	JANM38510/10104AHC	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	FP2r
98	JANM38510/10104AHD	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	FP2r

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS [1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	MIN TRANSFER CHAR @ 25°C O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	JANM38510/10104BCA	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	MP315
2	JANM38510/10104BCB	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	MP315
3	JANM38510/10104BCC	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	MP315
4	JANM38510/10104BCD	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	MP315
5	JANM38510/10104BGA	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	CN1k
6	JANM38510/10104BGB	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	CN1k
7	JANM38510/10104BGC	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	CN1k
8	JANM38510/10104BGD	40	24m	15u	1.0m	400u	3.0m	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	CN1k
9	JANM38510/10104BHA	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	FP2r
10	JANM38510/10104BHB	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	FP2r
11	JANM38510/10104BHC	40	24m	15u	1.0m	400u	3.0m	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	FP2r
12	JANM38510/10104BHD	40	24m	15u	1.0m	400u	3.0m	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	MP315
13	JANM38510/10104CCA	40	24m	15u	1.0m	400u	3.0m	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	MP315
14	JANM38510/10104CCB	40	24m	15u	1.0m	400u	3.0m	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	MP315
15	JANM38510/10104CCC	40	24m	15u	1.0m	400u	3.0m	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	MP315
16	JANM38510/10104CCD	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	MP315
17	JANM38510/10104CGA	40	24m	15u	1.0m	400u	3.0m	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	CN1k
18	JANM38510/10104CGB	40	24m	15u	1.0m	400u	3.0m	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	CN1k
19	JANM38510/10104CGC	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	CN1k
20	JANM38510/10104CGD	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	FP2r
21	JANM38510/10104CHA	40	24m	15u	1.0m	400u	3.0m	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	FP2r
22	JANM38510/10104CHB	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	FP2r
23	JANM38510/10104CHC	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	FP2r
24	JANM38510/10104CHD	40	24m	15u	1.0m	400u	3.0n	30	20MØ	32	10kØ	300k	94	100m	96	5C	A194	FP2r
25	ICL108LNTY	40	24m	15u	3.0m	400p	3.0n	27		26	10kØ	300kt Ø	87	300mt	85	5c		TO99
26▼	LM112H	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		93		85	5C	A206	TO99
27	SN52108J	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A198	MP139
28	SN52108L	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A198	TO99
29	SN52108N	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A198	MP39h
30	SN52108U	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A198	Δ004AE
31	MLM101AG	40	30m		3.0m	20n	100n	30 Δ	1.5M	24	10kØ		93		80	5C	A171	TO99
32	MLM201AG	40	30m		3.0m	20n	100n	30 Δ	1.5M	24	10kØ		93		80	28	A171	TO99
33	RM116T	40	32m		10m	50p	150p	26	1.0G	26	2.6		92	400m	80	28		TO99
34▼	LM116D	40	32m		15m	100p	250p	26	1.0G	26	10kØ		86		80	28	A208	MP322
35▼	LM116F	40	32m		15m	100p	250p	26	1.0G	26	10kØ		86		80	28	A208	FP2n
36▼	LM116H	40	32m		15m	100p	250p	26	1.0G	26	10kØ		86		80	28	A208	TO99
37	SE537T	40	60m		3.0m	.30n	3.0n	24	30M	26	2.0kØ	800kt	94	200m	86	5C		CN1g
38	NE537T	40 ♦	80m		10m	1.5n	10n	24	10M	26	10kØ	800kØ	87	200mt	80	07		CN1g
39	SSS747K*	40	85m	7.0ut	2.0m	10n	100n	30	2.0M	24	10kØ	1.0Mt Ø	100	1.0 t	80	5C	A178	TO100
40	SSS747M*	40	85m	7.0ut	2.0m	10n	100n	30	2.0M	24	10kØ	1.0Mt Ø	100	1.0 t	80	5C	A176	TO86
41	SSS747P*	40	85m	7.0ut	2.0m	10n	100n	30	2.0M	24	10kØ	1.0Mt Ø	100	1.0 t	80	5C	A177	TO116
42	SSS741J	40	85m	8.0ut	3.0m	10n	100n	30	2.0M	24	10kØ	3.0Mt Ø	100	1.4 t	80	5c	A174	TO99
43	SSS741L	40	85m	8.0ut	3.0m	10n	100n	30	2.0M	24	10kØ	3.0Mt Ø	100	1.4 t	80	5c	A172	TO91
44	SSS741P	40	85m	8.0ut	3.0m	10n	100n	30	2.0M	24	10kØ	3.0Mt Ø	100	1.4 t	80	5c	A173	TO116
45	SSS841J	40	85m	8.0ut	3.0m	10n	100n	30	2.0M	24	10kØ	700kt Ø	100	350mt	80	5C		TO99
46	SSS841L	40	85m	8.0ut	3.0m	10n	100n	30	2.0M	24	10kØ	700kt Ø	100	350mt	80	5C		TO91
47	SSS841P	40	85m	8.0ut	3.0m	10n	100n	30	2.0M	24	10kØ	700kt Ø	100	350mt	80	5C		TO116
48	SSS741BJ	40	85m	10ut	4.0m	10n	100n	30	2.0M	24	10kØ	3.0Mt Ø	94	1.4 t	80	28	A174	TO99
49	SSS741BL	40	85m	10ut	4.0m	10n	100n	30	2.0M	24	10kØ	3.0Mt Ø	94	1.4 t	80	28	A172	TO91
50	SSS741BP	40	85m	10ut	4.0m	10n	100n	30	2.0M	24	10kØ	3.0Mt Ø	94	1.4 t	80	28	A173	TO116
51	SSS747BK*	40	85m	10ut	4.0m	10n	100n	30	2.0M	24	10kØ	1.0Mt Ø	94	1.0 t	80	28	A178	TO100
52	SSS747BM*	40	85m	10ut	4.0m	10n	100n	30	2.0M	24	10kØ	1.0Mt Ø	94	1.0 t	80	28	A176	TO86
53	SSS747BP*	40	85m	10ut	4.0m	10n	100n	30	2.0M	24	10kØ	1.0Mt Ø	94	1.0 t	80	28	A177	TO116
54	SSS101AJ	40	90m	10ut	2.8m	10n	100n	30	2.0M	24	10kØ	1.0Mt Ø	100	400mt	80	5C	A174b	TO99
55	SSS101AL	40	90m	10ut	2.8m	10n	100n	30	2.0M	24	10kØ	1.0Mt Ø	100	400mt	80	5C	A172a	TO91
56	SSS101AP	40	90m	10ut	2.8m	10n	100n	30	2.0M	24	10kØ	1.0Mt Ø	100	400mt	80	5C	A173a	TO116
57	SSS107J	40	90m	10ut	2.8m	10n	100n	30	2.0M	24	10kØ	1.0Mt Ø	100	500mt	80	5C	A174c	TO99
58	SSS107L	40	90m	10ut	2.8m	10n	100n	30	2.0M	24	10kØ	1.0Mt Ø	100	500mt	80	5C	A172b	TO91
59	SSS107P	40	90m	10ut	2.8m	10n	100n	30	2.0M	24	10kØ	1.0Mt Ø	100	500mt	80	5C	A173b	TO116
60	SSS201AJ	40	90m	10ut	3.0m	20n	100n	30	1.5M	24	10kØ	1.0Mt Ø	94	400mt	80	28	A174b	TO99
61	SSS201AL	40	90m	10ut	3.0m	20n	100n	30	1.5M	24	10kØ	1.0Mt Ø	94	400mt	80	28	A172a	TO91
62	SSS201AP	40	90m	10ut	3.0m	20n	100n	30	1.5M	24	10kØ	1.0Mt Ø	94	400mt	80	28	A173a	TO116
63	SSS207J	40	90m	12ut	3.0m	20n	100n	30	1.5M	24	10kØ	1.0Mt Ø	94	500mt	80	28	A174c	TO99
64	SSS207L	40	90m	12ut	3.0m	20n	100n	30	1.5M	24	10kØ	1.0Mt Ø	94	500mt	80	28	A172b	TO91
65	SSS207P	40	90m	12ut	3.0m	20n	100n	30	1.5M	24	10kØ	1.0Mt Ø	94	500mt	80	28	A173b	TO116
66#	MT101	40 ♦	100m	6.0ut	6.0m§	500n☑	1.5u☑	24	300k	24	10kØ		93		70	5C	A001	CN1c
67#	MT101A	40 ♦	100m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	5C		CN1c
68#	MT107	40 ♦	100m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	5C	A012	CN1c
69#	MT201A	40 ♦	100m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	28		CN1c
70#	SFC2201APT	40	100m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		99	500mt	80	28	A001	TO91
71	ICL741LNDD	40	112m	7.0ut	6.0m	500n	1.5u	24		24	10kØ	1.0MtØ	87	500mt	70	5c		
72	ICL741LNTY	40	112m	7.0ut	6.0m	500n	1.5u	24		24	10kØ	1.0MtØ	87	500mt	70	5c		TO99
73	ICL741LNFB	40	112m	7.0ut	7.5m	500n	1.5u	24		24	10kØ	1.0MtØ	87	500mt	70	5c		
74	LM101AF883	40	120m		3.0m	20n	100n			32	10kØ		94	200m	80	5C		FP2n
75	LM101AH883	40	120m		3.0m	20n	100n			32	10kØ		94	200m	80	5C		TO99
76	LM107F883	40	120m		3.0m	20n	100n			32	10kØ		94	200m	80	5C		FP2n
77	LM107H883	40	120m		3.0m	20n	100n			32	10kØ		94	200m	80	5C		TO99
78#	MT107-883	40 ♦	120m		3.0m	20n	100n	30		32	10kØ		93	200m	80	5C		CN1c
79	LM101F883	40	120m		5.0m	500n	1.5u			32	10kØ		94	300m	70	5C		FP2n
80	LM101H883	40	120m		5.0m	500n	1.5u			32	10kØ		94	300m	70	5C		TO99
81	AMLM101	40 ♦	120m		6.0m	500n☑	1.5u	24	300k	24	10kØ		93		70	5C	A155	TO99
82	AMLM101D	40 ♦	120m		6.0m	500n☑	1.5u	24	300k	24	10kØ		93		70	5C	A155	MP151a
83	AMLM201	40 ♦	120m		6.0m	500n☑	1.5u	24	300k	24	10kØ		93		70	28	A155	TO99
84	AMLM201D	40 ♦	120m		6.0m	500n☑	1.5u	24	300k	24	10kØ		93		70	28	A155	MP151a
85#	MT101-883	40 ♦	120m		6.0m	500n☑	1.5u☑	30		32	10kØ		93	300m	70	5C		CN1c
86	AMLM301	40 ♦	120m		10m	750n☑	2.0u	24	100k	24	10kØ		86		65	07	A155	TO99

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS						MIN. OUTPUT CHAR.@25°C		MIN TRANSFER CHAR @ 25°C				TC EO MD PE	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO
				OVER OPERATING TEMP. RANGE				MIN.-@25°C				3dB	O.L.	SLEW				
		[1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	MAX VOLTAGE [3] DRFT (V/°C)	MAX VOLTAGE [4] OFST (V)	MAX CURRENT OFFSET (A)	MAX CURRENT BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	BW (Hz)	VOLT. GAIN (dB)	RATE (V/uS)	CMRR (dB)	-+		
1	AMLM301D	40 ♦	120m		10m	750nØ	2.0u	24	100k	24	10kØ		86		65	07	A155	MP151a
2	NH0003	40 ♦	120m	4.0ut§	3.0m§	200n§	2.0u§		100kt	20	100 Ø	1.0MØ	86	70	70	5C	A004	
3	NH0003C	40 ♦	120m	4.0ut§	3.0m§	200n§	2.0u§		100kt	20	100 Ø	1.0MØ	86	70	70	07	A004	
4	101D	40	120m	6.0ut	6.0m	500n	1.5u	24	300k	24	10kØ	2.0MØ	99	500m	70	5C	A012	TO116
5	101F	40	120m	6.0ut	6.0m	500n	1.5u	24	300k	24	10kØ	2.0MØ	99	500m	70	5C	A012	TO91
6	101H	40	120m	6.0ut	6.0m	500n	1.5u	24	300k	24	10kØ	2.0MØ	99	500m	70	5C	A012	TO99
7	AMLM101F	40 ♦	120m	6.0ut	6.0m	500n	1.5u	24	300k	24		1.0MØ	93	500m	70	5C	A012	FP2
8	HA2101	40	120m	6.0ut	6.0m	500n	1.5u	24	300k	24	10kØ	1.0Mt	83	500m	65	5C		TO99
9	LA101F	40 ♦	120m	6.0ut	6.0m	500n	1.5u	24	300k	20	2.0kØ	1.0MØ	94	400mt	70	5C	A001	TO91
10	LA101H	40 ♦	120m	6.0ut	6.0m	500n	1.5u	24	300k	20	2.0kØ	1.0MØ	94	400mt	70	5C	A001	CN1c
11	LM101D	40 ♦	120m	6.0ut	6.0m	500n	1.5u	24	300k	24	10kØ	2.0MØ	99	500m	70	5C	A012	TO116
12	LM101F	40 ♦	120m	6.0ut	6.0m	.50u	1.5u	24	300k	24		1.0MØ	93	.50	70	5C	A012	FP2
13	LM101H	40 ♦	120m	6.0ut	6.0m	500n	1.5u	24	300k	24	10kØ	1.0MØ	93	500m	70	5C	A012	CN1c
14	S5101G	40	120m	6.0ut	6.0m	500n	1.5u	24	300k	24	2.0kØ	1.0MØ	93	500m	70	5C	A012	TO91
15	S5101T	40	120m	6.0ut	6.0m	500n	1.5u	24	300k	24	2.0kØ	1.0MØ	93	500m	70	5C	A012	CN1g
16	SG101T	40	120m	6.0ut	6.0m	500n	1.5u	24	300k	24	10kØ	1.0M	93	500m	70	5C	A012	TO99
17	UC4101	40	120m	6.0ut	6.0mΔ	500n	1.5u	24	300k	20	2.0kØ	500kØ	94	400mt	70	5C	A090	TO99
18#	MT201	40 ♦	120m	6.0ut	10m	750nØ	2.0uØ	24	150k	24	10kØ		86		65	07	A001	CN1c
19	UC4201	40	120m	8.0ut	10mΔ	750n	2.0u	24	150k	20	2.0kØ	500kØ	88	400mt	65	07	A090	TO99
20	201D	40	120m	10ut	6.0m	500n	1.5u	24	300k	24	10kØ	2.0MØ	83	500m	65	07	A012	TO116
21	201F	40	120m	10ut	6.0m	500n	1.5u	24	300k	24	10kØ	2.0MØ	83	500m	65	07	A012	TO91
22	201H	40	120m	10ut	6.0m	500n	1.5u	24	300k	24	10kØ	2.0MØ	83	500m	65	07	A012	TO99
23	LM201D	40 ♦	120m	10ut	6.0m	500n	1.5u	24	300k	24	10kØ	2.0MØ	83	500m	65	07	A012	TO116
24	LM201H	40 ♦	120m	10ut	6.0m	750n	2.0u	24	150k	24	10kØ	1.0MØ	83	500m	65	07	A012	CN1c
25	N5201G	40	120m	10ut	6.0m	750n	2.0u	24	150k	24	1.0kØ	1.0MØ	83	500m	65	07		TO91
26	SG201T	40	120m	10ut	6.0m	750n	2.0u	24	150k	24	10kØ	1.0MØ	83	500m	65	07	A012	TO99
27	HA2201	40	120m	10ut	10m	750n	2.0u	24	150k	24	10kØ	1.0Mt	83	500m	65	28		TO99
28	LA201H	40 ♦	120m	10ut	10m	750nØ	2.0uØ	24	150k	20	2.0kØ	1.0MØ	86	400mt	65	07	A001	CN1c
29	LM201F	40 ♦	120m	10ut	10m	750n	2.0u	24	150k	24	10kØ	1.0MØ	83	500m	65	07	A012	FP2
30	LM207D	40 ♦	120m	15u	3.0n	20n	100n	30	1.5M	24	10kØ	10	94		80	28		MP14r
31	ID4101A	40	120m	15u	2.0mΔ	10n	75n	30	1.5M	20	2.0kØ	500kØ	94	400mt	80	5C	A090	TO99
32	JANM38510/10103ACA	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	MP315
33	JANM38510/10103ACB	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	MP315
34	JANM38510/10103ACC	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	MP315
35	JANM38510/10103ACD	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	MP315
36	JANM38510/10103AGA	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	CN1k
37	JANM38510/10103AGB	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	CN1k
38	JANM38510/10103AGC	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	CN1k
39	JANM38510/10103AGD	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	CN1k
40	JANM38510/10103AHA	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	FP2r
41	JANM38510/10103AHB	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	FP2r
42	JANM38510/10103AHC	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	FP2r
43	JANM38510/10103AHD	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	FP2r
44	JANM38510/10103BCA	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	MP315
45	JANM38510/10103BCB	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	MP315
46	JANM38510/10103BCC	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	MP315
47	JANM38510/10103BCD	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	MP315
48	JANM38510/10103BGA	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	CN1k
49	JANM38510/10103BGB	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	CN1k
50	JANM38510/10103BGC	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	CN1k
51	JANM38510/10103BGD	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	CN1k
52	JANM38510/10103BHA	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	FP2r
53	JANM38510/10103BHB	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	FP2r
54	JANM38510/10103BHC	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	FP2r
55	JANM38510/10103BHD	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	FP2r
56	JANM38510/10103CCA	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	MP315
57	JANM38510/10103CCB	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	MP315
58	JANM38510/10103CCC	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	MP315
59	JANM38510/10103CCD	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	CN1k
60	JANM38510/10103CGA	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	CN1k
61	JANM38510/10103CGB	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	CN1k
62	JANM38510/10103CGC	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	CN1k
63	JANM38510/10103CGD	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	CN1k
64	JANM38510/10103CHA	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	FP2r
65	JANM38510/10103CHB	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	FP2r
66	JANM38510/10103CHC	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	FP2r
67	JANM38510/10103CHD	40	120m	15u	2.5m	20n	100n	30	1.5MØ	32	10kØ	437k	100	300m	90	5C	A193	FP2r
68	101AD	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94	500m	80	5C	A001	TO116
69	101AF	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94	500m	80	5C	A001	TO91
70	101AH	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94	500m	80	5C	A001	TO99
71	201AD	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94	500m	80	28	A001	TO116
72	201AF	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94	500m	80	28	A001	TO91
73	201AH	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94	500m	80	28	A001	TO99
74	AMLM101A	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	07	A155	TO99

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS [1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	AMLM101AD	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	07	A155	MP151a
2	AMLM101AF	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94		80	5C		FP2n
3	AMLM107	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	5C	A156	TO99
4	AMLM107D	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	5C	A156	MP151a
5	AMLM201A	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	28	A155	TO99
6	AMLM201AD	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	28	A155	MP151a
7	AMLM207	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	28	A156	TO99
8	AMLM207D	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	28	A156	MP151a
9	HA2101A	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94	200m	94	5C		TO99
10	HA2107	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94	200m	94	5C		TO99
11	HA2201A	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94	200m	80	28		TO99
12	HA2207	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94	200m	80	28		TO99
13	ICL101ALNDD	40	120m	15u	3.0m	20n	100n	27 §		24	10kØ	800kτØ	87	500mτ	80	5c		
14	ICL101ALNFB	40	120m	15u	3.0m	20n	100n	27 §		24	10kØ	800kτØ	87	500mτ	80	5c		
15	ICL101ALNTY	40	120m	15u	3.0m	20n	100n	27 §		24	10kØ	800kτØ	87	500mτ	80	5c		TO99
16	LA101AF	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	20	2.0kØ	800kØ	94	400mτ	80	5C	A001	TO91
17	LA101AH	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	20	2.0kØ	800kØ	94	400mτ	80	5C	A001	CN1c
18	LA107F	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	20	2.0kØ	800kØ	94	500m	80	5C	A001	TO91
19	LA107H	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	20	2.0kØ	800kØ	94	500m	80	5C	A001	CN1c
20	LA201AH	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	20	2.0kØ	800kØ	94	400mτ	80	28	A001	TO99
21	LM101AD	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94		80	5C		MP14r
22	LM101AF	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94		80	5C		FP2n
23	LM101AH	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94		80	5C		TO99
24	LM107D	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	10	94		80	5C		MP14r
25	LM107F	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	10	94		80	5C		FP2n
26	LM107H	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	10	94		80	5C		TO99
27	LM201AD	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94		80	28		MP14r
28	LM201AF	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94		80	28		FP2n
29	LM201AH	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94		80	28		TO99
30	LM207F	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	10	94		80	28		FP2n
31	LM207H	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	10	94		80	28		TO99
32	MLM107G	40	120m	15u	3.0m	20n	100n	30	1.5M	24	3.0		94		80	5C	A175	TO99
33	MLM207G	40	120m	15u	3.0m	20n	100n	30	1.5M	24	3.0		94		80	28	A175	TO99
34	S51A1A	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	5C	A090	MP153
35	S51A1T	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	5C	A090	CN1g
36	S51A1V	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	5C	Z090	MP216
37	S4101AT	40	120m	15u	3.0m	20n	100n	30	1.5M	24	2.0kØ	100 †	94		80	5C		CN1g
38	S5101AG	40	120m	15u	3.0m	20n	100n	30	1.5M	24	2.0kØ	100 †	94		80	5C		TO91
39	S5107G	40	120m	15u	3.0m	20n	100n	30	1.5M	24	2.0kØ	10	94		80	5C		TO91
40	S5107T	40	120m	15u	3.0m	20n	100n	30	1.5M	24	2.0kØ	10	94		80	5C		CN1g
41#	SFC2101A	40	120m	15u	3.0m	20n	100n	30	1.5M	24		2.0MØ	99	500mτ	80	5C		TO99
42#	SFC2101APM	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		99	500mτ	80	5C	A012	TO91
43#	SFC2107M	40	120m	15u	3.0m	20n	100n		1.5M	24				500mτ	80	5C		TO99
44	SG101AT	40	120m	15u	3.0m	20n	100n	30	1.5M	20	2.0kØ	1.0kτ	87		80	5C	A001	TO99
45	SG107T	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	20	2.0kØ	800k	93	500m	80	5C	A001	TO99
46	SG201AN	40	120m	15u	3.0m	20n	100n	30	1.5M	20	2.0kØ	800k	94	500m	80	07	A001	TO116
47	SN52101AJ	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	5C	A150	MP139
48	SN52101AL	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	5C	A150	TO99
49	SN52101AN	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	5C	A150	MP39h
50	SN52101AP	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	5C	A150	MP161
51	SN52101AU	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	5C	A150	Δ004AE
52	SN52107J	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	5C	A151	MP139
53	SN52107L	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	5C	A151	TO99
54	SN52107N	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	5C	A151	MP39h
55	SN52107P	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	5C	A151	MP161
56	SN52107U	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	5C	A151	Δ004AE
57	TOA101AF	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94	10 †	80	5C	A172a	TO91
58	TOA101AJ	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94	10 †	80	5C	A173a	TO116
59	TOA101AV	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94	10 †	80	5C	A174b	TO99
60	TOA107F	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	10	94		80	5C	A172b	TO91
61	TOA107J	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	10	94		80	5C	A173b	TO116
62	TOA107V	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	10	94		80	5C	A174c	TO99
63	TOA201AF	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94	10 †	80	28	A172a	TO91
64	TOA201AJ	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94	10 †	80	28	A173a	TO116
65	TOA201AV	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94	10 †	80	28	A174b	TO99
66	TOA207F	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	10	94		80	28	A172b	TO91
67	TOA207J	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	10	94		80	28	A173b	TO116
68	TOA207V	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	10	94		80	28	A174c	TO99
69	UC4101A	40	120m	15u	3.0mΔ	20n	100n	30	1.5M	20	2.0kØ	500kØ	94	400mτ	80	5C	A090	TO99
70	UC4101AD*	40	120m	15u	3.0mΔ	20n	100n	30	1.5M	20	2.0kØ	500kØ	94	400mτ	80	5C	A090	MP40
71	UC4107	40	120m	15u	3.0mΔ	20n	100n	30	1.5M	20	2.0kØ	700kØ	94	500mτ	80	5C		TO99
72	UC4741-107	40 ♦	120m	15u	3.0mΔ	20n	100n	30	1.5M	20	2.0kØ	700kØ	94	500mτ	80	5C		TO99
73	UC4741-107D*	40 ♦	120m	15u	3.0mΔ	20n	100n	30	1.5M	20	2.0kØ	700kØ	94	500mτ	80	5C		MP40
74	LA207H	40 ♦	120m	20u	6.0m	30n	300n	30	500k	20	2.0kØ	800kØ	87	500m	70	07	A001	CN1c
75#	MT207	40 ♦	120m	20u	6.0m	30n	300n	30	500k	24	10kØ		87		70	28	A090	CN1c
76#	SFC2201A	40	120m	20u	6.0m	30n	300n	30	500k	24		2.0MØ	99	500mτ	70	28		TO99
77#	SFC2207	40	120m	20u	6.0m	30n	300n		500k	24				500mτ	70	28		TO99
78	SG201AT	40	120m	20u	6.0m	30n	300n	30	500k	20	2.0kØ	1.0k	87		70	07	A001	TO99
79	SG207T	40 ♦	120m	20u	6.0m	30n	300n	30	500k	20	2.0kØ	800k	87	500m	70	07	A001	TO99
80	UC4201A	40	120m	20u	6.0mΔ	30n	300n	30	500k	20	2.0kØ	500kØ	88	400mτ	70	07	A090	TO99
81	UC4207	40 ♦	120m	20u	6.0mΔ	30n	300n	30	500k	20	2.0kØ	700kØ	87	500mτ	70	07		TO99
82	L137AA	40	120m	50u	17m		1.5u☑	10	300k	24	10m		93		70	5C	A133	TO99
83	L137CA	40	120m	50u	27m		2.0u☑	10	150k	24	10m		86		65	07	A133	TO99
84	NH0003-883	40 ♦	120m	4.0mτ§	3.0mš	200nš	2.0uš		100kτ	20		1.0MØ	86	70	70	5C	A004	
85	JANM38510/10101AAA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24
86	JANM38510/10101AAB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24
87	JANM38510/10101AAC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24
88	JANM38510/10101AAD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24
89	JANM38510/10101ABA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24a
90	JANM38510/10101ABB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24a
91	JANM38510/10101ABC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24a
92	JANM38510/10101ABD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24a
93	JANM38510/10101ACA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	MP315
94	JANM38510/10101ACB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	MP315
95	JANM38510/10101ACC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	MP315
96	JANM38510/10101ACD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	MP315
97	JANM38510/10101ADA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP25

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS						MIN. OUTPUT CHAR.@25°C		MIN TRANSFER CHAR @ 25°C				T C E O M D P E	DRAWINGS	
				OVER OPERATING TEMP. RANGE		MAX CURRENT		MIN.-@25°C				3dB	O.L.	SLEW				
		1 TOT.	2 MAX	MAX VOLTAGE				CM	DIFF	P-P	P-P	BW	VOLT.	RATE	CMRR		CKT.	OUT-LINE
		VOLT. (ΔV)	IDLE P (W)	3 DRFT (V/°C)	4 OFST (V)	OFFSET (A)	BIAS (A)	RANGE (ΔV)	IMP. (Ω)	VOLT. (ΔV)	CUR. (ΔA)	(Hz)	GAIN (dB)	(V/uS)	(dB)	-+		Δ=MO
1	JANM38510/10101ADB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP25
2	JANM38510/10101ADC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP25
3	JANM38510/10101ADD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP25
4	JANM38510/10101AGA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	CN1k
5	JANM38510/10101AGB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	CN1k
6	JANM38510/10101AGC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	CN1k
7	JANM38510/10101AGD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	CN1k
8	JANM38510/10101AHA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP2r
9	JANM38510/10101AHB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP2r
10	JANM38510/10101AHC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP2r
11	JANM38510/10101AHD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP2r
12	JANM38510/10101BAA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24
13	JANM38510/10101BAB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24
14	JANM38510/10101BAC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24
15	JANM38510/10101BAD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24
16	JANM38510/10101BBA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24a
17	JANM38510/10101BBB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24a
18	JANM38510/10101BBC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24a
19	JANM38510/10101BBD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24a
20	JANM38510/10101BCA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	MP315
21	JANM38510/10101BCB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	MP315
22	JANM38510/10101BCC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	MP315
23	JANM38510/10101BCD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	MP315
24	JANM38510/10101BDA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP25
25	JANM38510/10101BDB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP25
26	JANM38510/10101BDC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP25
27	JANM38510/10101BDD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP25
28	JANM38510/10101BGA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	CN1k
29	JANM38510/10101BGB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	CN1k
30	JANM38510/10101BGC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	CN1k
31	JANM38510/10101BGD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	CN1k
32	JANM38510/10101BHA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP2r
33	JANM38510/10101BHB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP2r
34	JANM38510/10101BHC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP2r
35	JANM38510/10101BHD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP2r
36	JANM38510/10101CAA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24
37	JANM38510/10101CAB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24
38	JANM38510/10101CAC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24
39	JANM38510/10101CAD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24
40	JANM38510/10101CBA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24a
41	JANM38510/10101CBB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24a
42	JANM38510/10101CBC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24a
43	JANM38510/10101CBD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP24a
44	JANM38510/10101CCA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	MP315
45	JANM38510/10101CCB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	MP315
46	JANM38510/10101CCC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	MP315
47	JANM38510/10101CCD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	MP315
48	JANM38510/10101CDA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP25
49	JANM38510/10101CDB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP25
50	JANM38510/10101CDC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP25
51	JANM38510/10101CDD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP25
52	JANM38510/10101CGA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	CN1k
53	JANM38510/10101CGB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	CN1k
54	JANM38510/10101CGC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	CN1k
55	JANM38510/10101CGD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	CN1k

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1	JANM38510/10101CHA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP2r
2	JANM38510/10101CHB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP2r
3	JANM38510/10101CHC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP2r
4	JANM38510/10101CHD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A191	FP2r
5	JANM38510/10102AAA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24
6	JANM38510/10102AAB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24
7	JANM38510/10102AAC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24
8	JANM38510/10102AAD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24
9	JANM38510/10102ABA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24a
10	JANM38510/10102ABB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24a
11	JANM38510/10102ABC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24a
12	JANM38510/10102ABD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24a
13	JANM38510/10102ACA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	MP315
14	JANM38510/10102ACB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	MP315
15	JANM38510/10102ACC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	MP315
16	JANM38510/10102ACD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	MP315
17	JANM38510/10102ADA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP25
18	JANM38510/10102ADB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP25
19	JANM38510/10102ADC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP25
20	JANM38510/10102ADD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP25
21	JANM38510/10102AIA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	CN10e
22	JANM38510/10102AIB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	CN10e
23	JANM38510/10102AIC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	CN10e
24	JANM38510/10102AID	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	CN10e
25	JANM38510/10102BAA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24
26	JANM38510/10102BAB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24
27	JANM38510/10102BAC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24
28	JANM38510/10102BAD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24
29	JANM38510/10102BBA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24a
30	JANM38510/10102BBB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24a
31	JANM38510/10102BBC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24a
32	JANM38510/10102BBD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24a
33	JANM38510/10102BCA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	MP315
34	JANM38510/10102BCB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	MP315
35	JANM38510/10102BCC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	MP315
36	JANM38510/10102BCD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	MP315
37	JANM38510/10102BDA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP25
38	JANM38510/10102BDB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP25
39	JANM38510/10102BDC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP25
40	JANM38510/10102BDD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP25
41	JANM38510/10102BIA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	CN10e
42	JANM38510/10102BIB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	CN10e
43	JANM38510/10102BIC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	CN10e
44	JANM38510/10102BID	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	CN10e
45	JANM38510/10102CAA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24
46	JANM38510/10102CAB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24
47	JANM38510/10102CAC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24
48	JANM38510/10102CAD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24
49	JANM38510/10102CBA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24a
50	JANM38510/10102CBB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24a
51	JANM38510/10102CBC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24a
52	JANM38510/10102CBD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP24a
53	JANM38510/10102CCA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	MP315
54	JANM38510/10102CCB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	MP315
55	JANM38510/10102CCC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	MP315

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	JANM38510/10102CCD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	MP315
2	JANM38510/10102CDA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP25
3	JANM38510/10102CDB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP25
4	JANM38510/10102CDC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP25
5	JANM38510/10102CDD	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	FP25
6	JANM38510/10102CIA	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	CN10e
7	JANM38510/10102CIB	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	CN10e
8	JANM38510/10102CIC	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	CN10e
9	JANM38510/10102CID	40	150m	15u	4.0m	70n	210n	30	1.0MØ	32	10kØ	437k	94	300m	80	5C	A192	CN10e
10▼	3522K	40	200m	25u	500u	1.0pt	5.0p	30	100Gt	20	10	1.0Mt	100	600m	90	07		TO99
11▼	3522L	40	200m	25u	500u	500ft	1.0p	30	100Gt	20	10	1.0Mt	100	600m	90	07		TO99
12▼	3522S	40	200m	25u	500u	1.0pt	5.0p	30	100Gt	20	10	1.0Mt	100	600m	90	5C		TO99
13▼	3522J	40	200m	50u	1.0m	2.0pt	10p	30	100Gt	20	10	1.0Mt	94	500m	90	07		TO99
14▼	3542J	40	200m	50u	20m	2.0pt	25p	30	100Gt	20	20	1.0Mt	88	500m	80	07		TO99
15▼	3542S	40	200m	50u	20m	2.0pt	25p	30	100Gt	20	20	1.0Mt	88	500m	80	5C		TO99
16	SU536T	40	220m	20ut	50m	5.0pt	1.0n	20	10Tt	20	2.0kØ	1.0MØ	93	6.0 t	70	28		CN1g
17▼	LH2108AD	40	240m	5.0u	1.0m	400u	3.0n	27	30M	26	2.6m	10 t	92	200mt	96	5C		MP230a
18	LH101D§	40	500m	6.0ut	6.0m	500n☑	1.5u☑	24	300k	24	10m		93		70	5C	A001	TO116
19	LH101F§	40	500m	6.0ut	6.0m	500n☑	1.5u☑	24	300k	24	10m		93		70	5C	A001	TO91
20	LH101H§	40	500m	6.0ut	6.0m	500n☑	1.5u☑	24	300k	24	10m		93		70	5C	A001	TO99
21	LH201D§	40	500m	10ut	10m	750n☑	2.0u☑	24	150k	24	10m		86		65	07	A001	TO116
22	LH201F§	40	500m	10ut	10m	750n☑	2.0u☑	24	150k	24	10m		86		65	07	A001	TO91
23	LH201H§	40	500m	10ut	10m	750n☑	2.0u☑	24	150k	24	10m		86		65	07	A001	TO99
24	AD201AN	40	1.2	15u	3.0m	20n	100n	30 Δ	1.5M	20	10kØ		93		80	07	A134	MP189
25▼	HX0033	40	1.5	25u	15m		1.0n		10G	24	24m	100M		1.5k		5C		TO8
26▼	HX0033C	40	1.5	25u	25m		1.5n		10G	24	24m	100M		1.5k		07		TO8
27	NH0020	44			4.0m	100n	500n	24	1.0M	28	50m	1.0M	100		96	5C		TO8
28	NH0020-883	44			4.0m	100n	500n	24	1.0M	28	50m	1.0M	100		96	5C		TO8
29	NH0020C	44			7.5m	300n	800n	24	1.0M	28	50m	1.0M	86		96	07		TO8
30	LH740A	44		5.0u	20m	560p	4.0n	24	1.0G	24	2.4m	1.0M	84	6.0	80	5C		TO99
31	LH740AC	44		5.0u	30m	500p	5.0n	24	1.0G	24	2.4m	1.0M	84	6.0	80	07		TO99
32	NH0022	44		10u	5.0m	500p	5.0n	24		24	2.6m	1.0M	100	3.0	90	5C		TO99
33	NH0022-883	44		10u	5.0m	500p	5.0n	24		24	2.6m	1.0M	100	3.0	90	5C		TO99
34	NH0022C	44		10u	10m	1.5n	10n	24		24	2.6m	1.0M	100	3.0	90	07		TO99
35▼	CA3094BT	44	12m		7.0m	300n	700n	27	500k	27 †	2.0kØ	4.0kt	86	500 †	70	5C	A207	Δ002AL
36#	L141T2	44	85m		5.0m	500n	1.5u	24	300k	20	2.0kØ	1.0M	94	500m	70	5C	A042k	TO99
37#	TBA222Δ	44	85m	3.0u	5.0m	200n	500n	30	300k	20	2.0kØ		94	500mt	70	5C	A042r	TO79
38	AD504SH	44	500m	1.0u	1.5m	10n	100n	20	2.0M	24	10m	150k	120	80m	120	5C		TO99
39	AD741LH	44	500m	5.0u	1.0m	15n	120n	20	2.0M	24	10m	1.0M	94	500m	90	07		TO99
40	AD503LH	44	500m	25u	1.0m	200p	400p	20	100G	24	10m	1.0M	90	4.0	70	07		TO99
41	AD503TH	44	500m	25u	1.0m	5.0n	10n	20	100G	24	10m	1.0M	90	4.0	70	5C		TO99
42	AD513LH	44	500m	25u	1.0m	200p	400p	20	100G	24	10m	1.0M	90	4.0	70	07		TO99
43	AD513TH	44	500m	25u	1.0m	5.0n	10n	20	100G	24	10m	1.0M	90	4.0	70	5C		TO99
44	AD511B	44	500m	25u	2.5m	350p	650p	20	100G	20	10m	1.0M	88	4.0	70	28		
45	AD511C	44	500m	25u	2.5m	350p	350p	20	100G	20	10m	1.0M	88	4.0	70	28		
46	ADP511B	44	500m	25u	2.5m	350p	650p	20	100G	20	10m	1.0M	88	4.0	70	28		
47	ADP511C	44	500m	25u	2.5m	350p	350p	20	100G	20	10m	1.0M	88	4.0	70	28		
48	AD511A	44	500m	75u	6.5m	1.6n	1.6n	20	100G	20	10m	1.0M	88	4.0	70	28		
49	ADP511A	44	500m	75u	6.5m	1.6n	1.6n	20	100G	20	10m	1.0M	88	4.0	70	28		
50	D4083	44	1.1	250u	2.0m	.20u§	1.0u	20	50M	20	20m	1.0kØ	56	20	80	05		
51	D4084	44	1.4	50u	.20m	2.0n	100p	20		20	20m	2.0kØ	38	175		05		
52	163K	48	96m	5.0u	Δ	3.0n	35n	40	1.0M	40	40m	1.5MØ	114	6.0	86	05		MP5ab
53	163A	48	96m	20u	Δ	3.0n	35n	40	1.0M	40	40m	1.5MØ	114	6.0	86	28		MP5ab
54	165A	48	192m	20u	Δ	3.0n	35n	40	1.0M	40	10m	1.5MØ	108	6.0	86	28		MP75
55	165K	48	196m	5.0u	Δ	3.0n	35n	40	1.0M	40	10m	1.5MØ	108	6.0	86	05		MP75
56	ZEL1E	48	240mt	20u	Δ		50n§	36	1.0Mt	40	8.0m	1.5MtØ	113	6.0	86	28		MP6g
57	ZEL1EC	48	240mt	20u	Δ		5.0n§	36	1.0Mt	40	40m	1.0MtØ	113	6.0	86	28		MP8c
58	4009#2	48	240m	500ut	100mt		200nt	40 †	20kt	16 †	2.0kØ	30MØt	56 †	10 †	80 †	5C	A040	CN14
59	D23	48	336m	10u	1.0m	100p		10	100Gt	40	4.0m	2.5MØ	88	2.0	80 †	5A		MP5g
60	PA104	48	384mt	50u§t	Δ	30n§t	300n§t	4.0 †	300kt	40 †	6.0mt	400kØt	73	3.0ut	60 †	58		MP167
61	PA209	48	480mt	6.0u§t	Δ	200n§	500n§	30 †	300	40 †	30mt	100kØt	109 †	150nt	90 †	58		MP168
62	MA20	48	650mt	2.0mt	630mt		25u		1.6kt	18	200m	5.0M	72 †	250 †			A085	MP42c
63	D30B	48	720mt	10u	.50m	25n		30	500k	37	120m	1.0MØ	84	1.8	70 †	58		MP2
64	MA32	48	800mt	20u	10m	1.5u	15u	20	2.6kt	18	200m	5.0M	69 †	160 †			A086	MP42c
65	MA30	48	800mt	300u	50m	5.0u	15u	20	2.6kt	18	200m	5.0M	69 †	160 †			A086	MP42c
66	420☑	48	1.0	20u	20m	1.0u	200n	40	100k	40	1.0	20k	75	5.0	80	08		OCT
67	D31	48	1.4 †	25u	5.0m	.50u		10	500k	35	300m	750kØ	86	1.8	70 †	58		MP5g
68	D34	48	1.4	50u	5.0m	.75u		10	100k	35	500m	1.0MØ	86	.50	90 †	5A		MP26
69▼	D42	48	4.8 †	30u§	5.0m§	100n§	300n§	36	500k	36	1.0	800kØ	86	250m	90 †	58		MP333
70	NH0033	50		25u	15m		1.0n		10G	24	24m	100M	0.0	1.5k		5C		TO8
71	NH0033-883	50		25u	15m		1.0n		10G	24	24m	100M	0.0	1.5k		5C		TO8
72	NH0033C	50		25u	25m		1.5n		10G	24	24m	100M	0.0	1.4k		07		TO8
73	1757§	50	1.2mt	20u	Δ	150nt	250n	16 †	200kt	40	400m	5.0MØ	94	2.5	80	28		MP5g
74	450	50	400m	.50ut	100mt		.20ut	40	20kt	40 †	4.0mØ	2.0MtØ	56 †	5.0 †	80 †	5A	A039	OCT
75	1682	50	500mt	30u	Δ	100pt	100p	30 †	10Gt	40	20m	10MØ	97	20	74	58		MP5y
76	425#2	50	750m	20ut	20mt		500nt	40 †	20kt	14 †	50 Ø	2.0MØt	86 †	5.0 †	80 †	28	A039	OCT
77	435#2	50	750m	20ut	20mt		500nt	40 †	20kt	24 †	50 Ø	2.0MØt	86 †	5.0 †	80 †	28		CN☑
78	444§	50	1.0	.50ut	100mt		.20ut	40	20kt	40 †	8.0mØ	2.0MtØ	56 †	5.0 †	80 †	58	A039	OCT
79	416#2	50	1.0	500ut	100mt		200nt	40 †	20kt	36 †	8.0 Ø	2.0MØt	56 †	5.0 †	80 †	28		OCT
80	440KR#2	50	1.0	500u	100m		200n	40		44	4.0 Ø	25k	650	5.0	80	58	A135	MP190
81	1791	50	1.2 †						10Mt	32	2.0	5.0MØt	385m	1.5 †		04		MP5y
82	1765	52	208mt	5.0u	Δ	30pt	50p	10	10Gt	10	40m	10MØ	100	20	100	58		MP5z
83▼	1034-01	52	208m*	5.0u	10mtΔ	3.0nt	50n§	40	1.0Mt	40	44m	1.0MØ	100	6.0	86	28		MP5bv
84	1720	52	208mt	15u	Δ	30pt	50p	10	10Gt	10	40m	10MØ	100	20	100	58		MP5z
85▼	1034	52	208m*	15u	10mtΔ	3.0nt	50n§	40	1.0Mt	40	44m	1.0MØ	100	6.0	86	28		MP5bv
86	1719	52	208mt	25u	Δ	30pt	50p	10	10Gt	10	40m	10MØ	100	20	100	58		MP5z
87	1005	52	364m	20u	Δ		25n	40	250k	40	10	1.5MØt	89	1.2	80	28		MP5c
88	H2030BL	52	416m	500n	100u		80p	SE	600k	40	20m	1.0M	120	12 †		28		MP2e
89	1548-25§	52	416m	1.0u	100u		200p		500kt	40	20m	10MØ	140	12		28		MP290b
90	D20B	52	416mt	10u	.50m	15n		30	500k	40	40m	1.0MØ	100	1.8	70 †	58		MP2
91	MCC1536	56	224m		5.0m§	3.0n§	20n§	50	10Mt	44	5.0kØ			2.0 †	110 †	5C	A118	FC3
92	MC1536G	56	224m		7.0m	7.0n	35n	48	10Mt	44	5.0kØ	1.0MtØ	100	2.0 †	80	5F	A118	TO99
93	SG1536T	56	224m		7.0m	7.0n	35n	48	10mt	44	5.0 Ø	1.0MtØ	100	2.0 †	80	5F	A118	TO99
94	H9030A	56	224m	4.6u	.67mΔ	53n	.15u	40	250k	40	70m	2.0M	100	3.2 †	75	4A		MP5ac
95	H9030B	56	224m	4.6u	.67mΔ	53n	.15u	40	250k	40	70m	2.0M	100	3.2 †	75	4A		MP2d
96	MCC1436	56	280m		10m§	10n§	40n§	50	10Mt	40	5.0kØ			2.0 †	110 †	5C	A118	FC3
97	MC1436CG	56	280m		12m§	25n	90n§	36	10Mt	40	5.0kØ	1.0MtØ	94	2.0 †	50	07	A118	TO99
98	SG1436CT	56	280m		12m	25n	90n	36	10mt	40	5.0 Ø	1.0MtØ	94	2.0 †	50	07	A118	TO99
99	MC1436G	56	280m		14m	14n	55n	44	10Mt	40	5.0kØ	1.0MtØ	96	2.0 †	70	07	A118	TO99
100	SG1436T	56	280m		14m	14n§	55n§	44	10Mt	40	5.0kØ	1.0MtØ	96	2.0 †	70	5C	A118	TO99
101	D26	56	280mt	20u	Δ	20n		36	300k	40	10m	1.0MØ	98	600m	80	58		MP5g

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS						MIN. OUTPUT		MIN TRANSFER CHAR @ 25°C				T C		DRAWINGS
				OVER OPERATING TEMP. RANGE				MIN.-@25°C		CHAR.@25°C		3dB	O.L.	SLEW		E O		
		1 TOT.	2 MAX	MAX VOLTAGE		MAX CURRENT		CM	DIFF	P-P	P-P	BW	VOLT.	RATE	CMRR	M D	CKT.	OUT-
		VOLT. (ΔV)	IDLE P (W)	3 DRFT (V/°C)	4 OFST (V)	OFFSET (A)	BIAS (A)	RANGE (ΔV)	IMP. (Ω)	VOLT. (ΔV)	CUR. (ΔA)	(Hz)	GAIN (dB)	(V/uS)	(dB)	P E -+		LINE Δ=MO
1	H7030A	56	336m	24u	1.9mΔ	20p	50p	30	100k	40	18m	2.0M	90	5.5 †	65	4A		MP5ab
2	H7030B	56	336m	24u	1.9mΔ	20p	50p	30	100k	40	18m	2.0M	90	5.5 †	65	4A		MP2c
3	403	56	448m†	50u†	Δ		300n†§	4.0	300k†	40	6.0	300k†Ø	69	1.5	60 †	5F		MP167a
4	409	56	560m†	6.0u†	Δ		500n†§	30	300k†	40	30	600k†Ø	95	200m	90 †	5F		MP168
5	D35	56	2.0	65u	5.0m		50n	37	500k	37	500m	800kØ	86	1.0	90 †	5A		MP7a
6	2405BG	60	110m	25u	10m§	2.0p§†	20p§†	32	10G	40	10kØ		90	2.0	90 †	5C	A022	CN2b
7	PM603A	60	600m		10m§	200n§	1.0u§	54		54	6.0		80	5.0	50	0A		MP248
8	415	60	720m	.50u†	100m†		.20u†	48	20k†	50 †	25mØ	2.0M†Ø	57 †	5.0 †	80 †	28	A039	OCT
9	PM6100	60	900m		10m§	200n§	700n§	54		54	16		85	10	60	0A		MP144a
10	400	70	770m†	10u†	10m†		.50u†	60 †	20k†	60 †	50kØ	2.0M†Ø	94 †	5.0 †	80 †	57		MP41
11	4009#3	72	576m	500u†	100m†		200n†	60 †	20k†	20 †	2.0kØ	30MØ†	58 †	10 †	80 †	57	A040	CN14
12	432§	72	2.0	500u	100m	1.0u	.20u	60	500k	60	5.0	50k	54	5.0	80	28		OCT
13	416#3	72	2.1	500u†	100m†		200n†	60 †	20k†	60 †	16 Ø	2.0MØ†	58 †	5.0 †	80 †	28		OCT
14	440KR#3	72	2.1	500u	100m		200n	60		60	8.0 Ø	25k	800	5.0	80	58	A135	MP190
15	NH0004	80	8.0m	4.0u†	200	100n	300n	70	500k	70	5.0kØ	5.0MØ	100	250n	70	5C	A004	
16	NH0004-883	80	8.0m	4.0u†	200	100n	300n	70	500k	70	5.0kØ	5.0MØ	100	250n	70	5C	A004	
17	A161	80	800m	50u	Δ		20p§	20	100G	72	300m	1.0mØ	94	20	80	28	A044	MP5bs
18	1727	120	1.0 †	50u	Δ	30p†	100p	40 †	10G†	100	40m	10MØ	100	20	74	58		MP36
19	A160	120	1.2	25u⊿	1.0m§Δ		10p§	100	100G	100	10m	6.0M†Ø	106	15	90	28	A097	MP5ab
20	9697	120	1.6	400u	20m	1.0u	5.0u	100	5.0k	100	40m	100M§	76	100	26	27		MP209
21	SA50A	120	1.8	20u	Δ		20n	20	100k	100	20m	3.5MØ†	98			08		
22	9699	160	2.4	50u	20m	30n	100n	150	10M	150	20m	100M§	80	100	40	57		MP210
23	1957	240	1.2		2.0m		4.0n	40	10G	200	20m	20k	100	12	60	06		MP207
24	1022	240	2.4	50u	Δ	30p§		210	100G†	220	40m	1.0MØ	120	30 †	93 †	28		MP124
25	3460	240 ♦	2.4	50u§	1.0m§	10p†	25p§	280	100G†	280	20m	1.0MØ	106	10	90 †	28		MP287d
26	3271-16	240	4.8	1.0u§	110u		200p		500k†	20	40m	1.0MØ	140	20		28		MP290b
27	3271-25§	240	4.8	1.0u	110u		200p		500k†	100	40m	1.0MØ	140	20		28		MP290b
28	A301	250	2.0	25u⊿	3.0m§Δ		10p§	230	100G†	230	10m	1.0MØ	100	10	100 †	28	A132	MP5bg
29	A303	250	2.0 †	25u	3.0mΔ§		10p§	230	100G†	230	40m	20k†	100	10	100 †	28	A044	MP5bs
30	136K2	250	2.0	50u	500u	100p		240	100G†	200	20m	1.0MØ	100	20	100	07		MP53
31	A300	250	2.0	50u⊿	3.0m§Δ		10p§	230	100G†	230	10m	1.0MØ	100	10	100 †	28	A133	MP5bg
32	A302	250	2.0 †	50u	3.0mΔ§		10p§	230	100G†	230	40m	20k†	100	10	100 †	28	A044	MP5bs
33	1527	250	3.0 †	30u	Δ	30n†	200n	20 †	250k†	200	20m	1.0MØ	100	10	80	28		MP36
34	D41	300	9.6	20u	5.0m	500n		38	150k	250	500m	500kØ	100			58		MP117

4. DIFFERENTIAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE				MIN.-@25°C		MIN. OUTPUT CHAR.@25°C		MIN TRANSFER CHAR @ 25°C				T C	DRAWINGS	
		[1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	E O M D P E -+	CKT.	OUT-LINE Δ=MO
1	NE515A	9.0 §	21m	5.0u	4.0m		40u	2.0	1.4k	5.3		1.0M	68		100	07	B016	TO116
2	NE515G	9.0 §	21m	5.0u	4.0m		40u	2.0	1.4k	5.3		1.0M	68		100	07	B016	TO91
3	NE515K	9.0 §	21m	5.0u	4.0m		40u	2.0	1.4k	5.3		1.0M	68		100	07	B016	TO100
4	SE515A	9.0 §	21m	5.0u	4.0m		40u	3.0	1.4k	5.3		1.0M	68		100	07	B016	TO116
5	SE515G	9.0 §	63m	5.0u	3.0m		40u	2.5	1.0k	5.7		1.0M	71		100	5C	B016	TO91
6	SE515K	9.0 §	63m	5.0u	3.0m		40u	2.5	1.0k	5.7		1.0M	71		100	5C	B016	TO100
7	CA3050§	10 ♦§			5.0m§	70n§	500n§		460kt			4.3Mt			65 †	5C	B038	MP3
8	CA3051§	10 §♦			5.0m§	70n§	500n§		460kt			4.3Mt			65 †	28	B038	TO116
9	MFC8030	12			10m§			10					32 †		35 †	07	B039	MP131a
10	CA3006§	12	26mt		1.0m§†	1.4u§†	40u§	6.0 Δ§	1.4k						101 †	5C	B020	CN18
11	CA3004§	12	26mt		5.0m§	5.0u§	40u§	6.0 Δ§	12kt						98 †	5C	B019	CN18
12	CA3005§	12	26mt		5.0m§	1.4u§†	40u§	6.0 Δ§	1.4kt						101 †	5C	B020	CN18
13▼	CA3005H§	12	26m		5.0m§	1.4u§†	40u§	6.0 Δ§	1.4kt						101	5C	B020	FC16
14	CA3007§	12	30mt		5.0mt	5.0u§	34u§	5.0 Δ	4.0kt						77 †	5C	B024	CN18
15	CA3000	12	30mt		8.0m§	10u§	36u§	4.0 Δ	70kt	6.4 †		650kt	28		80	5C	B018	CN10d
16	uA749-5B-394	12	54m		10m§	600n§	1.5p§	6.5 §	50k	10	2.0m		80		70	07	B040	TO99
17♦	CA3053☑§	12	120m				125u§				3.5m					5C	B021	TO99
18	CA3001§	12	120m		1.5m§†	10u§	36u§	5.0 Δ	50k	5.0 †		16Mt	16		70	5C	B023	CN18
19▼	CA3001H§	12	120m		1.5m§†	10u§	36u§	5.0 Δ	50k	5.0 †		16Mt	16		70	5C	B023	FC16
20	uA730-5B-312	12	156m		3.5m	3.0u	15u	7.0	5.0k	5.0	100kØ		20		70	5C	B003	TO99
21	MIC730-5C	12	156m		7.5m	5.0u	20u	7.0	2.5k	5.0	100kØ	1.0M	20		60	07	B003	TO99
22	uA730-5B-393	12	156m		7.5m	5.0u	20u	7.0	2.5k	5.0	100kØ		20		60	07	B003	TO99
23	UC4730C	12	156m		7.5m	5.0u	20u	7.0	2.5k	5.0	100kØ	1.0M	20		60	07	B003	TO99
24	MIC730-1C	12	156m	3.0u	3.5m	3.0u	15u	7.0	5.0k	5.0	100kØ	1.0M	20		70	5C	B003	TO99
25	UC4730	12	156m	3.0u	3.5m	3.0u	15u	7.0	5.0k	5.0	100kØ	1.0M	20		70	5C	B003	TO99
26	SE511B§	12	180m		3.5m	7.5u	40u								60	5C	D026	MP153
27	SE511R§	12	180m		3.5m	7.5u	40u								60	5C	D026	FP13
28	NE511B§	12	180m		4.0m	9.0u	40u								60	07	D026	MP153
29	NE511R§	12	180m		4.0m	9.0u	40u								60	07	D026	FP13
30	SN5511L§	12	180mt	4.0ut	5.0m§	7.0u§	15u§	4.5 §	5.0k	2.5	5.0kØ	3.0Mt	61 †		95 †	5C	B029a	Δ006AD
31	SN5511N§	12	180mt	4.0ut	5.0m§	7.0u§	15u§	4.5 §	5.0k	2.5	5.0kØ	3.0Mt	61 †		95 †	5C	B029	Δ001AA
32	SN5511S§	12	180mt	4.0ut	5.0m§	7.0u§	15u§	4.5 §	5.0k	2.5	5.0kØ	3.0mt	61 †		95 †	5C	B029	FP2s
33	SN7511L§	12	180mt	4.0ut	5.0m§	10u§	20u§	2.0	5.0k	1.5	5.0kØ	3.0Mt	55 †		90 †	07	B029a	Δ006AD
34	SN7511N§	12	180mt	4.0ut	5.0m§	10u§	20u§	2.0	5.0k	1.5	5.0kØ	3.0Mt	55 †		90 †	07	B029	Δ001AA
35	SN7511S§	12	180mt	4.0ut	5.0m§	10u§	20u§	2.0	5.0k	1.5	5.0kØ	3.0mt	55 †		90 †	07	B029	FP2s
36	SN52733L§	12	288m			3.0u§	20u§	2.0	4.0kt	3.0	2.0kØ	50Mt	39		70 †	5C	B046	TO100
37	SN52733N§	12	288m			3.0u§	20u§	2.0	4.0kt	3.0	2.0kØ	50Mt	39		70 †	5C	B046	MP39h
38	SN72733L§	12	288m			5.0u§	30u§	2.0	4.0kt	3.0	2.0kØ	50Mt	38		70 †	07	B046	TO100
39	SN72733N§	12	288m			5.0u§	30u§	2.0	4.0kt	3.0	2.0kØ	50Mt	38		70 †	07	B046	MP39h
40▼	CA3000H	12	300mt		8.0m§	10u§	36u§	4.0 Δ	70kt	6.4 †		650kt	28		80	5C	B018	FC16
41#	SN2620	14 §	120m		10m	1.0u						3.0Mt	32		60	5C	B036	TO84
42▼	LM3900N	15 §	150m				200n§		1.0Mt	13	5.1kØ	2.5Mt	61	20		07	B047	MP39
43	MC1712F	18 §	120m	2.5u§	3.0m	1.5u	5.0u§	4.5 §	16k	10	100kØ	1.5M	88	1.5 †	80	5C	B010	TO91
44	MC1712G	18 §	120m	2.5u§	3.0m	1.5u	5.0u§	4.5 §	16k	10	100kØ	1.5M	88	1.5 †	80	5C	B010	TO99
45	MC1712L	18 §	120m	2.5u§	3.0m	1.5u	5.0u§	4.5 §	16k	10	100kØ	1.5M	88	1.5 †	80	5C	B010	MP139a
46	MC1712CF	18 §♦	120m	5.0u	6.5m	2.5u	7.5u§	4.5 §	16k	10	100kØ	1.5M	86	1.5 †	70	07	B010	TO91
47	MC1712CG	18 §♦	120m	5.0u	6.5m	2.5u	7.5u§	4.5 §	16k	10	100kØ	1.5M	86	1.5 †	70	07	B010	TO99
48	MC1712CL	18 §♦	120m	5.0u	6.5m	2.5u	7.5u§	4.5 §	16k	10	100kØ	1.5M	86	1.5 †	70	07	B010	MP139a
49▼	CA3026H	18	600m		1.1ut	5.0m	2.0u§	24u§	3.5kt	12		550Mt§	32 †		100 †	5C	Z008a	FC16c
50	CA3026☑	18	600m	1.1ut	5.0m	2.0u§	24u§	5.0	3.5kt	12		550Mt§	32 †		100 †	5C	Z008a	Δ006AG
51▼	LM3026H	18	600m	1.1ut	5.0m	2.0u§	24u§	5.0	3.5kt	12		550Mt§	32 †		100 †	5C	Z008a	CN10e
52▼	SI3026EA	18	600m	1.1ut	5.0m	2.0u§	24u§	5.0	3.5kt	12		550Mt§	32 †		100 †	5C	Z008a	Δ006AG
53#	TBA341	18	750m		5.0m	2.0u§	24u§	5.0					32		100 †	08	Z008	Δ001AB
54	CA3054	18	750m	1.1ut	5.0m	2.0u§	24u§	5.0	3.5kt	12		550Mt§	32 †		100 †	08	Z008	Δ001AB
55▼	LM3054N	18	750m	1.1ut	5.0m	2.0u§	24u§	5.0	3.5kt	12		550Mt§	32 †		100 †	08	Z008	MP39
56▼	SI3054CJ	18	750m	1.1ut	5.0m	2.0u§	24u§	5.0	3.5kt	12		550Mt§	32 †		100 †	5C	Z008a	Δ001AB
57▼	CA3054H	18	750	1.1ut	5.0m	2.0u§	24u§	5.0	3.5kt	12		500Mt§	32 †		100	5C	Z008	FC16c
58▼	CA3054L	18	750	1.1ut	5.0m	2.0u§	24u§	5.0	3.5kt	12		500Mt§	32 †		100	5C	Z008	FC18
59	SN523A	24	100m	9.0ut	12m§	2.0u§	5.0ut§	10 †	5.0k	24 †	♦	70k	78		90 †	5C	B025	TO84
60	SN5231L	24	100mt	9.0ut	12m§	2.0u§	5.0ut§	10 †	5.0k	24 †	♦	70k	72		90 †	5C	B028	CN17c
61	SN723	24	100mt	10ut	15m§	4.0u§	6.5ut§	10 †	4.0k	20 †	♦	60k	70 †		80 †	07	B025	TO84
62	SN7231L	24	100mt	10ut	15m§	4.0u§	6.5ut§	10 †	4.0k	20 †	♦	60k	70 †		80 †	07	B028	CN17c
63	831AE	24	120m	4.0u	5.0m§Δ	2.0u§		3.5 §	20k			300k	66 †		90	5C	B004	TO101
64	831AH	24	120m	4.0u	5.0m§Δ	2.0u§		3.5 §	20k			300k	66 †		90	5C	B004	FP6e
65	831BE	24	120m	10u	17m§Δ	5.0u§		3.0 §	10k			300k	66 †		80	5C	B004	TO101
66	831BH	24	120m	10u	17m§Δ	5.0u§		3.0 §	10k			300k	66 †		80	5C	B004	FP6e
67	831CE	24	120m	10ut	40m§Δ	10u§		2.0 §	5.0k			300k	64 †		60	28	B004	TO101
68	831CH	24	120m	10ut	40m§Δ	10u§		2.0 §	5.0k			200k	64 †		60	28	B004	FP6e
69	831DE	24	120m	100u§	10m§	100n§	500n§	8.0	5.0k	8.0	♦	250k	74		60	07	B004	TO101
70	LM3053H	24	150m				125u				3.5m					5C	B021	TO99
71	LM3028BH	24	220m		2.0m	2.0u	80u	7.0	3.0k	15	4.5m	8.0mt	42		60	5C	B021	TO99
72♦	CA3028B☑§	24	220m		5.0m§	6.0u§	80u§	5.0 §	3.0kt	15	4.5m	8.0Mt	40		60	5C	B021	TO99
73▼	CA3028BS§	24	220m		5.0m§	6.0u§	80u§	5.0 §	3.0kt	15	4.5m	8.0Mt	40		60	5C	B021	
74	CA3028A☑§	24	260m				106u§				3.5m					5C	B021	TO99
75▼	CA3028AH§	24	260m				106u§				3.5m		42			5C	B021	FC16f
76▼	CA3028AL§	24	260m				106u§				3.5m		42			5C	B021	FC18
77▼	CA3028AS§	24	260m				106u§				3.5m		42			5C	B021	
78	LM3028AH	24	260m		5.0m	5.0u	106u				3.5m		42		60	5C	B021	TO99
79▼	A280	30	75m	25u	Δ		25p§		100M	4.0	1.0kØ	200	60		115			
80	801	30	120m	70u§	2.0m§Δ		100p§	20	100Gt	20 †	40mt	1.0MØt	100 †	5.0 †	66	28		MP5aj
81	CS24	30	135m	40u	Δ		100p	20	1.0Gt	20	40m	25MØ	80	440	60	58		MP5br
82	ZEL1-02	30	150mt	2.5u	Δ		50n§	20	1.0Mt	20 †	5.0mt	1.5MØt	113	6.0	86 †	28		MP6b
83	ZEL1-03	30	150mt	5.0u	Δ		50n§	20	1.0Mt	20 †	5.0mt	1.5MØt	113	6.0	86 †	28		MP6b
84	3621L	30	150m	5u§	2.0m§	5p	10p§	20	100Gt	20	20m	10k	100 †	300mt	70	07		MP5by
85	ZEL1-04	30	150mt	10u	Δ		50n§	20	1.0Mt	20 †	5.0mt	1.5MØt	113	6.0	86 †	28		MP6b
86	803	30	150m	10u§	2.0m§Δ		30p§	20	100Gt	20 †	40mt	3.0MØt	106 †	10 †	80	28		MP5aj
87	3621K	30	150m	15u§	2.0m§	5p	10p§	20	100Gt	20	20m	10k	100 †	300mt	70	07		MP5by
88	804☑	30	150m	20u§	2.0m§Δ		30p§	20	100Gt	20 †	40mt	40MØt	106 †	30 †	80	28		MP8b
89	802☑	30	150m	30u§	2.0m§Δ		30p§	20	100Gt	20 †	40mt	2.0MØt	103 †	5.0 †	70	28		MP5aj
90	3621J	30	150m	50u§	2.0m§	5p	10p§	20	100Gt	20	20m	10k	100 †	300mt	70	07		MP5by
91	805	30	180m	10u§	2.0m§Δ		30p§	20	100Gt	20 †	50mt	50MØt	113 †	40 †	80	28		MP8b
92	806☑	30	180m	10u§	2.0m§Δ		30p§	20	100Gt	20 †	50mt	50MØt	120 †	50 †	80	28		MP8b
93	ZA702M1	30	180mt	50u	Δ		15n†	20	500Mt	20	5.0m	12k		400m	80	07		MP☑
94	ZA703M1	30	180mt	60u	Δ		3.0p†	20	100Gt	20	5.0m	12k		400m	80	07		MP☑
95	1843	30	210mt	3.0u	Δ	30pt	50p	20	100Gt	20	10m	1.5MØt	109	3.0 †	73	08		MP5ak
96	603L	30	210m	50ut§	Δ		20p§	20	1.0Tt	20	10m	1.0M		2.0 †	80 †	28		MP51b
97	1861	30	210m	50u		250p	250p	20	100G	20	10m	1.0M	86	1.5	70	28		
98	1821	30	210mt	75u		100pt	100p	20	100Gt	20	10m	10MØt	86	10 †	73	28		MP5y
99	603K	30	210m	150ut§	Δ		20p§	20	1.0Tt	20	10m	1.0M		2.0 †	80 †	28		MP51b
100	603J	30	210m	500ut§	Δ		50p§	20	1.0Tt	20	10m	1.0M		2.0 †	80 †	28		MP51b
101	1895	30	210m	10	Δ	30p	30p	20	100G	20	10m	1.5M	110	3.0	94	08		MP5ak
102	A213	30	240m	2.0u☑	Δ		10p	20	100G			60		2.0	96	28	B041	MP179
103	A212	30	240m	5.0u☑	Δ		10p	20	100G			60		2.0	96	28	B041	MP179
104	9007	30	240m	20u	10m	100n	200n	20	100M	20	20m	300k	100	300m	100	58		MP210
105	A203	30	240m	25u	Δ		10p	16	100G	20	10m	5.0kØ	100	2.0	106	28	B041	MP179
106	A202	30	240m	50u	Δ		10p	16	100G	20	10m	5.0kØ	100	2.0	106	28	B041	MP179
107	A200	30	240m	70u☑	Δ		50p§	20	100G	20	10m	1.5MØ	60	2.0	80	28	B041	MP179
108	3263-14	30	300m	3.0u§	2.0m	10n†	50n§	20	300Mt	20	10m	75k	60 †	6.0 †	115 †	28		MP5bx
109	3264-14	30	300m	10u§	2.0m	10n†	50n§	20	300Mt	20	10m	75k	60 †	6.0 †	115 †	28		MP5bx
110▼	9070	30	360m	25u	Δ	300n	1.0u	24	100M	20	20m	20k	80	2.0	140	59		MP312

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. DIFFERENTIAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS						MIN. OUTPUT CHAR.@25°C		MIN TRANSFER CHAR @ 25°C				T C E O M D P E	DRAWINGS CKT.	OUT-LINE Δ=MO
		[1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	OVER OPERATING TEMP. RANGE MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	-+		
1	3620L	30	420m	250n§	1.0m§Δ	10n†	25n§	20	300M†	20	20m	10k†	60 †	300m†	74	07		MP298
2	3620K	30	420m	500n§	1.0m§Δ	10n†	25n§	20	300M†	20	20m	10k†	60 †	300m†	74	07		MP298
3	3620J	30	420m	2.0u§	1.0m§Δ	10n†	25n§	20	300M†	20	20m	10k†	100 †	300m†	74	07		MP298
4	1884	30	450m	50u	Δ	100p§		20 †	10G†	20	40m	25MØ†	93	100 †	73 †	58	A079	MP5ax
5	273J	30	450m	100u	50m§		50p§	1.0k	1.0T	6.0	50kØ	4.0k	0.0		115	07		MP253
6	272J	30	450m	125u	50m§		50p§	1.0k	1.0T	6.0	50kØ	2.0k	0.0		115	07		MP253
7	L140AA§	30	500m		5.0m	15n§	75n§	24		24	1.2m	300k	70	200m	80	5C		TO99
8	L140CA§	30	500m		10m	30n§	100n§	24		20	1.0m	300k	60	200m	70	07		TO99
9	uA727-5U-312	30	510m	1.5u	10m	15n	40n	24	300M†	10	10u		35		80	5C	B011	TO100
10	uA727-5U-323	30	510m	3.0u	10m	25n	75n	24	300M†	6.0	10u	180k†	33		70	28	B011	TO100
11	3061-25	30	600m	3.0u§	1.0m§Δ	10n†	20n§	20	10M	20	20m	50k	60 †	1.2	110 †	28		MP290
12	3161-25	30	600m	10u§	1.0m§Δ	10n†	20n§	20	10M	20	20m	50k	60 †	1.2	110 †	28		MP290
13	L143AL§*	30	750m		5.0m	50n§	200nØ	24 Δ		20	1.0m	300kØ	70		80	5C	A141	TO86
14	L143AP§*	30	750m		5.0m	50n§	200nØ	24 Δ		20	1.0m	300kØ	70		80	5C	A141	TO116
15	L143CL§*	30	750m		10m	60n§	250nØ	24 Δ		20	1.0m	300kØ	60		70	07	A141	TO86
16	L143CP§*	30	750m		10m	60n§	250nØ	24 Δ		20	1.0m	300kØ	60		70	07	A141	TO116
17	CS23	30	750m	25u	Δ	15n			250k	20	200m	100MØ	92	600		05	A136	MP199c
18	HFS23	30	750m	25u	Δ	150n			250k	20	60m	30MØ	96	400		59	B043	CN2g
19	HVA23	30	750m	25u	Δ	150n			250k	20	60m	100MØ	96	600		59	B044	CN2g
20	1941	30	750m	50u	Δ	100p§		20 †	10G†	20	40m	75MØ†	87	1.0k†	69 †	58		MP5az
21	3090-25	30	900m	1.0u†	1.0m§Δ		20n§	20	10M	20	20m	50k	60 †	600m	110 †	28		MP290
22	3190-25	30	900m	5.0u†§	1.0m§Δ		20n§	20	10M	20	20m	50k	60 †	600m	110 †	28		MP290
23▼	FS23	30	1.0	10u§	Δ	15n§			250k	20	60m	20MØ	106	400		06		MP83a
24	46K	30	1.6	25u	2.0mΔ		100p§	20	100G	20	200m	40MØ	88	1.0k	86	28		MP254
25	46J	30	1.6	75u	2.0mΔ		100p§	20	100G	20	200m	40MØ	88	1.0k	86	28		MP254
26	1894	30	300	50u	Δ	100p	100p	20	10G	20	10	10M	86	12	94	28		
27	602K100	32	448m	2.0u	100uΔ§		50n§	20	1.0G†	20	8.0m	75k			86	07		MP138
28	602J100	32	448m	10u	200uΔ§		50n§	20	1.0G†	20	8.0m	75k			86	07		MP138
29	602J10	32	448m	10u	300uΔ§		50n§	20	1.0G†	20	8.0m	75k			75	07		MP138
30	601%	32	1.9	2.0u	150uΔ§		10n§	20	10M†	20	40m	30k	26		120	27		MP18
31	300B	36	432m	25u§	Δ	100p§		20	100G	22	10m	15k§	60	2.0	86	27	B042	MP200
32	300A	36	432m	50u§	Δ	100p§		20	100G	22	10m	15k§	60	2.0	86	27	B042	MP200
33▼	3625C	36	500m	500n	500u		100n	30	300M	20	10m	50k	100 †	300m†	80 †	28		MP5bx
34▼	3625B	36	500m	1.0u	500u		100n	30	300M	20	10m	50k	100 †	300m†	80 †	28		MP5bx
35▼	3625A	36	500m	3.0u	500u		100n	30	300M	20	10m	50k	100 †	300m†	80 †	28		MP5bx
36	3501C	40	60m	5.0u	2.0m	2.0n	3.0n	32	10M	30	10m	5.0	100	100m	100	28		TO99
37	3501T	40	60m	5.0u	2.0m	2.0n	3.0n	32	10M	30	10m	5.0	100	100m	100	5C		TO99
38	3501B	40	60m	10u	2.0m	3.0n	7.0n	32	10M	30	10m	5.0	100	100m	100	28		TO99
39	3501S	40	60m	10u	2.0m	3.0n	7.0n	32	10M	30	10m	5.0	100	100m	100	5C		TO99
40	3501A	40	60m	20u	5.0m	5.0n	15n	32	10M	30	10m	5.0	100	100m	100	28		TO99
41	3501R	40	60m	20u	5.0m	5.0n	15n	32	10M	30	10m	5.0	100	100m	100	5C		TO99
42	LH101D§	40	500m	6.0u†	6.0m	500nØ	1.5uØ	24	300k	24	10m		93		70	5C	A001	TO116
43	LH101F§	40	500m	6.0u†	6.0m	500nØ	1.5uØ	24	300k	24	10m		93		70	5C	A001	TO91
44	LH101H§	40	500m	6.0u†	6.0m	500nØ	1.5uØ	24	300k	24	10m		93		70	5C	A001	TO99
45	LH201D§	40	500m	10u†	10m	750nØ	2.0uØ	24	150k	24	10m		86		65	07	A001	TO116
46	LH201F§	40	500m	10u†	10m	750nØ	2.0uØ	24	150k	24	10m		86		65	07	A001	TO91
47	LH201H§	40	500m	10u†	10m	750nØ	2.0uØ	24	150k	24	10m		86		65	07	A001	TO99
48	PA201	41 §	1.2 †	10u†	5.0m†	70n†	700n†	16 †	70k†	44 †	10m†	200kØ†	69	100m†	60 †	68		MP168
49	770-401-301	44	1.1 †	50u	Δ			20	100M	20	20m	2.0M	0.0	350 Ø	80	05		MP44
50	770-401-302	44	1.1 †	50u	Δ			20	100M	20	20m	2.0M	6.0	350 Ø	86	05		MP44
51	770-401-305	44	1.1 †	50u	Δ			20	100M	20	20m	2.0M	14	350 Ø	94	05		MP44
52	770-401-310	44	1.1 †	50u	Δ			20	100M	20	20m	2.0M	20	350 Ø	100	05		MP44
53	770-401-320	44	1.1 †	50u	Δ			20	100M	20	20m	2.0M	26	350 Ø	106	05		MP44
54	770-401-350	44	1.1 †	50u	Δ			20	100M	20	20m	2.0M	34	350 Ø	114	05		MP44
55	770-440-1	44	1.3	2.5u	Δ	4.0n		20	10M	20	1.0kØ		60	1.0	110	05		MP45
56	770-440-2-1000	44	1.3	2.5u	Δ	4.0n		20	10M	20	1.0kØ		60	1.0	110	05		MP45
57	770-440-2-500	44	1.3	3.0u	Δ	4.0n		20	10M	20	1.0kØ		54	1.0	110	05		MP45
58	770-440-2-200	44	1.3	4.5u	Δ	4.0n		20	10M	20	1.0kØ		46	1.0	110	05		MP45
59	770-440-2-100	44	1.3	7.0u	Δ	4.0n		20	10M	20	1.0kØ		40	1.0	110	05		MP45
60	770-440-2-50	44	1.3	12u	Δ	4.0n		20	10M	20	1.0kØ		34	1.0	110	05		MP45
61	PA301	50 §	750m	10u†	5.0m†	1.0u†	85u†	20 †	200k†	50 †	80 †	200kØ†	26	100m†		68		MP169
62	1915	52	624m	25u	Δ	50p§		10	10G†	10	40m	10MØ†	100	20 †	100 †	58		MP5z
63	391	230	6.0 †	1.0m	Δ			20	10M†	20	100m	100k		4.0	60			

5. AUDIO AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER (3)MIN UPPER 3dB BW (4)MIN VOLT GAIN (5)TYPE

LINE No.	5 TYPE No.	PWR SUP@25°C RATED SPECS 1 TOT. VOLT (ΔV)	2 MAX IDLE P (W)	3dB BANDWDTH 3 MIN. UPPER (Hz)	MAX. LOWER (Hz)	4 MIN. VOLT. GAIN (dB)	TRANSFER CHARACTERISTICS @25°C MAX. NOISE FIGURE (dB)	MAX. THD (%)	ΔTEMP GAIN VAR. (dB)	INPUT @25°C MIN. RESIST (Ω)	MAX. VOLTS P-P (ΔV)	OUTPUT CHAR. @25°C MAX. RESIST (Ω)	MIN. VOLT. P-P (ΔV)	MIN. POWER (W)	@ LOAD RES. (Ω)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1#	TAA370	1.3 §	650u	4.7kt		88	6.0		4.0					1.0m		15	C021	TO89
2	OM200	1.3 §	1.5m	20k		75Δ	6.0	10			10		10	200u	500		C011	MP33
3#	AN127	1.3	1.6m		0.0	75Δ	6.0	10						200u		2A	C011	TO72
4#	TAA131	1.3	1.6m	20k	40	5.0		10	8.0 †	3.0k			350mt			3C		MP33
5	RM8321G	1.5 §	100m			70	2.5 *	8.0		40kt				3.0m	3.0k	07	C049	TO89
6	RM8322G	1.5 §	100m			70	2.5 *	8.0		40kt				3.0m	3.0k	07	C049	TO89
7	RM8311G	1.5 §	100m			80	2.5 *	8.0		40kt				3.0m	3.0k	07	C049	TO89
8	RM8312G	1.5 §	100m			80	2.5 *	8.0		40kt				3.0m	3.0k	07	C049	TO89
9#	TAA141	3.0	12m	20k	40	63		10	8.0 †	3.0k			350mt			3A		CN15a
10#	TAA121	4.5	36m	150k	80	74		3.0	8.0 †	3.0k			1.5 †			07		TO77
11#	TAA111	4.5 §	72m	150k	80	62		3.0	8.0 †	3.0k			1.5 †			07		TO77
12#	TAA293A	6.0		600k$		70	10							10m		26	C093	TO74
13	CA3020§	6.0 §		8.0Mt		75Δt	70 §t	10		1.0kt		200 †		550m	130	5C	C022	CN18
14▼	CA3020H§	6.0 §		8.0Mt		75tΔ	70 §t	10		1.0kt		200 †		550m	130	5C	C022	FC16d
15	LM272§	6.0 §	10m	2.0Mt	50k		50 *t			3.0kt		3.0kt	400m			27	C005	CN1c
16	LM372§	6.0 §	10m	2.0Mt	50k		50 *t			3.0kt		3.0kt	350m			07	C005	CN1c
17	LM372N	6.0 §	10m	2.0Mt	50k		50 †			3.0kt		3.0kt	350m			07	C005	MPØ
18	TAA103	6.0	90m	600kt	DC	70Δ	12	5.0			10			8.0m	150	2A	C011	MP33
19	TAA263	6.0	96m	600kt	DC	70Δ	10	5.0			10			8.0m	150	2A	C011	TO72
20▼#	TAA960	6.0 §	150m	150k	20	60	50 §	2.0		25k		750				56	Z115	CN8h
21	TAA293	6.0 §	160m			80Δt	10	10			20			10m	150	27	C037	CN27
22#	TAA310A	7.0		15k		93	4.0			20kt			2.0			26	C036a	TO74
23	TAA310	7.0	100m	15k		90	4.0	10			12		5.6	4.0m	1.0k	27	C036	CN27
24#	AN136	7.0	100m	15k		93	4.0			20kt				4.0m	1.0k	27	C036	CN27
25#	TAA151	7.0	100m	150k	80	70	8.0	5.0	8.0 †	3.0k			1.5 †			06		
26#	TAA450	7.0	200m	10Mt		69t				3.0k	400m	30k				26	C042	TO74
27#	TAA420	7.5	90m	20k		31				40k			1.5 †			18		TO97
28#	M5101P	7.5 §	113m	10k	100	100	3.0 *	500mt		20kt				700mt	8.0	17	C029	MP55
29#	TAA611B12	9.0		15k	50	68t	75 §t	5.2		750kt			3.0	50m	8.0	2C	C082a	MP246
30	CA3020A§	9.0 §		8.0Mt		75Δt	66 §t	10		1.0 †		200 †		1.0	200	5C	C022	CN18
31	MC1306P	9.0 §	36mt			99t	55 †	1.0 †				500mt		200m	16	07	C057	MP161
32	HEPC6003-RT	9.0 §♦	54m				15mΔ	4.5						250m		17	C078	MP223
33	MFC4000A	9.0 §♦	54m					4.5						50m	16	17	C078	MP223
34▼	MFC4000B	9.0 §	54m					10						250m		17	C078a	MP223
35▼	CA3035*	9.0 §	67m	500kt	1.0k	40	7.0				1.0	270 †	2.0 †		10k	5C	E016	CN10d
36▼	CA3035H*	9.0 §	67m	500kt	1.0k	40	7.0				1.0	270 †	2.0 †		10k	5C	E016	FC16h
37#	TAA300	9.0 §	72mt	25kt	100		6.0 †	3.0		10k	10m			1.0 †		2C	C031	TO74
38▼#	SFC2790M	9.0 §♦	108mt	25k	40	34		10		50Mt	12		7.9	1.2	8.0	5F	C102	TO100
39	TBA790KSC	9.0 §♦	108mt	25k	40	34		10		1.0M	12		7.9	1.2	8.0	2C	C102	MP246
40	TBA790LSA	9.0 §♦	108mt	25k	40	34		10		50Mt	12		7.9	1.2	8.0	2C	C102	MP246
41	TBA790LSC	9.0 §♦	108mt	25k	40	34		10		1.0M	12		7.9	1.2	8.0	2C	C102	MP247
42	TBA790MSA	9.0 §♦	108mt	25k	40	34		10		50Mt	12		7.9	1.2	8.0	5F	C102	TO100
43#	TBA641A12	9.0	162m	20k	40	46t	2.5 †*	10		3.0Mt	12			1.8	400m	17	C083	MP246
44#	M5106P§	9.0	180m	50k	50	70t		650mt	30	20kt				700m	8.0	27	C062	MP55
45♦#	TBA460§	9.0 §	202m	70k	30	72t	2.5 *t	300mt			3.2					07	Z276	MP337a
46♦#	TBA460Q§	9.0 §	202m	70k	30	72t	2.5 *t	300mt			3.2					07	Z276	MP217a
47▼#	SFC2150RM	9.0 §♦	220mt	25k	40	34		10		1.0M	12			4.0	4.0	5F	C102a	CN22c
48#	M5115P	9	540m			139	2.0 *			60kt				1.5	8	17	C091	MP265
49#	TAA611A12	9.0	1.5	15k	50	68t		1.7		750kt	12		4.8	500m	8.0	5C	C082a	MP246
50#	TAA611A55	9.0	1.5	15k	50	68t		1.7		750kt	12		4.8	500m	8.0	5F	C082	TO100
51#	TAA820B	9.5 §	400m			85	600uΔ	10 ♦								26	C084	MP250
52#	AN274	10	200m	30k	50	38	500mΔ	1.5		30kt				800mt	8.0	26		CN27
53	HEPC6064P-RT	11 §				103										47	C077	MP263
54#	TAA611E12	12		20k	50	68		3.0		250k	6.0			1.0	8	48	C082a	MP246
55#	TAA611E55	12		20k	50	68		3.0		250k	6.0			1.8	8	48	C082a	TO100
56#	TAA151S	12		600k		70	6.0	5.0			6.0		12			3A	C013	TO100
57	CA3007§	12	30mt	20kt	DC	20Δ		280mt		4.0kt	5.0	60 †				5C	B024	CN18
58	LM172	12	37m	2.0Mt			50 †*			3.0kt		3.0kt	450m			5C	C005	
59▼#	TCA160	12 §	103mt	20k	60	70t	80 §t	10 †		15kt	13m*			2.0 †	8.0	2C	C107	MP337b
60▼#	TCA160Q	12 §	103mt	20k	60	70t	80 §t	10 †		15kt	13m*			2.0 †	8.0	2C	C107	MP256
61#	AN204	12	120m			70t	2.0 †						2.8		6.2k	27		TO101
62	LM370§	12 §	120m	1.4M		35		600m		15k	39	4.5k	6.0			07	C004	CN17
63	LM370N	12 §	120m	1.4M		35		600m		15k	39	4.5k	6.0			07	C004	MPØ
64	LM170§	12 §	120m	1.4M		37		600m		15k	39	4.5k	6.0			27	C004	CN17
65	LM270§	12 §	120m	1.4M		37		600m		15k	39	4.5k	6.0			5C	C004	CN17
66#	TAA820A	12 §	144mt			70	2.0mΔ	10 ♦								26	C084	MP250
67♦#	SL630C§	12 §♦	156m			43*	10			3.6kΔ	140m*	3.0	7.0	190m	40	5C	C050	CN27b
68	CA3048*	12 §	210m	250k		53$	2.0 †	650mt		90kt	1.4	1.0kt	5.6			28	C047	MP104
69▼#	TCA120	12	240m				300 Δ			100kt		4.0 †		4.0 †	4.0	28	C105	MP325
70#	TCA210#2	12	550m	1.0M%		54				17kt	260m			500mt	25	36	C092	MP252a
71#	TCA210#1	12	550m	10M%		80	6.0			500 †	1.5m			2.5mt	800	36	C092	MP252a
72#	TAA611CX1	12	2.8	15k	50	70t		1.5		750kt	2.0		6.3	50m	8.0	07	C082a	MP247
73#	M5111AP	14	119m			55	2.0 *	220mt		30k						27	C090	MP14j
74#	M5112Y	14 §	168m	30k	70	37t*		150mt		6.5kt				4.0 †	4.0	27	C079	CN24
75	BHA0004	14 §	280mt	15kt	25 †	42	70 †	1.0 †		20k	80m			5.0	3.0	3A	C034	MP74
76▼#	TBA810	14	280m	20k	40	80t	2.0u*	10		5.0Mt		4.0 †		5.5 †	4.0	28	C105	MP325
77▼#	TBA810A	14	280m	20k	40	80t	2.0u*	10		5.0Mt		4.0 †		5.5 †	4.0	28	C105	MP324
78▼	MFC8021A	14 §	420m	50ktØ	90 †	87t	18 †*	5.0						1.0 †	3.2	17	C104	MP259
79#	TBA641B11	14	448m	20k	40	46t	3.4 †*	10		3.0Mt	18			4.0	4.0	17	C083	MP246
80#	TBA641BX1	14	448m	20k	40	46t	3.4 †*	10		3.0Mt	18			4.0	400m	17	C083	MP247
81#	SL402D	14	1.6	30kt	20 †	50t	75 †	300mt		100Mt		200mt		1.5	7.5	07	C081	MP165
82	BHA0001	14 §	1.8	10kt	40 †	55Δ	50 †§	4.8 †		300 †	5.0m*			2.0	10	3A	C009	MP19
83	TAA435	14 §	400	10k		80t	6.0 †	10			10		40	4.0		28	C035	TO74
84	TBA790KSB	15 §♦	210mt	25k	40	34		10		1.0M	12		10	2.1	8.0	2C	C102	MP247
85	TBA790KSD	15 §♦	210mt	25k	40	34		10		1.0M	12		13	3.4	8.0	2C	C102	MP264
86	TBA790LSB	15 §♦	210mt	25k	40	34		10		1.0M	12		10	2.1	8.0	2C	C102	MP246
87	TBA790NSD	15 §♦	210mt	25k	40	34		10		1.0M	12		13	3.5	8.0	2C	C102	MP264
88▼	CA3048H*	16				53				90kt		1.0kt	2.4 †			5C	C047	FC16k
89#	TAA611F12	16		20k	50	68		3.0		250k	6.0			2.1	8	48	C082a	MP246
90	MFC6040	16 §		6.0Mt	0.0	11*		1.0			1.4 *		8.0 †			07	C069	MP166
91	TCA150KB	16 §♦	220mt	25k	40	34		10		1.0M	12			5.5	4.0	2F	C102a	MP247
92	TCA150NB	16 §♦	220mt	25k	40	34		10		1.0M	12			5.5	4.0	2F	C102a	MP264
93	MFC6070	16 §	288m	20k§	100 †	18t	40 †	10			280m		11	1.0	16	15	C086	MP258
94	HEPC6004-RT	16 §	290m					5.0					7.0			05	C070	MP131a
95	HEPC6008-RT	16 §♦	290m				-40	10					8.0 †	1.0		15	C086	MP258
96	MFC8010	16 §	290m					5.0					7.0	1.0	16	05	C070	MP131a
97	HEP592-RT	16	400m	50k	10	34	1.5	1.0					12			5C	C073	CN8g
98	CA3052	16	750m	300kt		53		650mt		90kt	500m	1.0kt	2.0			28	C047	Δ001AC
99▼	LM383	18		40kØ	0.0	83		1.0						5.0	4.0			
100#	TBA450	18	650u	15k	20	2.5		500m		50k	2.0	4.5	600m			06		MPØ
101#	TBA915	18 §	36mt	25k	100		75 †§	5.0 †		9.0kt		20 †			20	37		TO74
102	MFC4050	18 §	180m			42					2.5					17	C067	MP223
103	MFC4010A§	18 §	500m	200kt	20 †	60	6.0 †			1.0kt						17		MP223
104	MC1380P	18 §	625mt			42								30m%	3.2	47	C076	MP161
105	MC1454G	18	900mt	600kt	40kt	31t*	300mΔt	5.0		3.0k		400mt		1.0 †	16		C018	CN8d
106	MC1554G	18	1.2	600kt	40kt	31t*	300mΔt	5.0		7.0k		200mt		1.0	16		C018	CN8d
107#	SL403D	18	2.1	30kt	20 †	50t	75 §t	300mt		100Mt		200mt		2.5	7.5	07	C081	MP165
108#	AN214	18	4.5			45		1.5		50k	50m			4.0	4.0	27		
109	HEPC6005-RT	19 §	470m					10		500kt			8.5	2.0			C070a	MP170
110#	AN275	19	3.0			35		2.5		50k	100m			2.5	8.0	27		CN24a

5. AUDIO AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER (3)MIN UPPER 3dB BW (4)MIN VOLT GAIN (5)TYPE

LINE No.	5 TYPE No.	PWR SUP@25°C RATED SPECS 1 TOT. VOLT (ΔV)	2 MAX IDLE P (W)	3dB BANDWDTH 3 MIN. UPPER (Hz)	MIN. LOWER (Hz)	TRANSFER CHARACTERISTICS @25°C 4 MIN. VOLT. GAIN (dB)	MAX. NOISE FIGURE (dB)	MAX. THD (%)	ΔTEMP GAIN VAR. (dB)	INPUT @25°C MIN. RESIST (Ω)	MAX. VOLTS P-P (ΔV)	OUTPUT CHAR. @25°C MAX. RESIST (Ω)	MIN. VOLT. P-P (ΔV)	MIN. POWER (W)	@ LOAD RES. (Ω)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	TAA480	20 §	200m			15†		1.0 †			868m		11			07	C032	CN27
2▼#	SL1020§	20 §♦	216m	150kØ†		25	78 Ø			15k†		600 †		20m†		2C		
3#	AN212	20	400m	30k	50	65	6.0 Δ	200m†		10k†			3.4	2.5 †	16	26		
4	uA716-5B-393	21 §	350m	2.0M†		45*	8.0 †*	600m†	66m†	9.0k	10	1.0 †	16	130 †	150	07	C010	TO99
5	HEPC6006-RT	21 §	590m					10		500k†			9.5	2.0			C070a	MP170
6	LM380	22 ♦	154m†	65k†		32	200m†	200m†		200k†	18			2.0	8.0	07		
7	MFC9020	22	440m	20k§	100 †	27†	40 †	10		200m	560m			2.0	16	17	C086a	MP170
8#	TAA621A11	24	180m	15k	30	74	18u*	100m		110k				4.0	16	07	C089	MP264
9#	TAA621AX1	24	180m	15k	30	74	18u*	100m		110k				4.0	16	07	C089	MP247
10#	TBA800	24	210m†			80†	6.0u*	10		1.0M				5.0 †	16	2E		MP☑
11	ULN2126A	24 §♦	344m†	100k§		65	1.8 †	500m†		250k†		100 †	850m†	30u	3.0k	38	C080	MP14w
12	ULN2126N	24 §♦	344m†	100k§		65	1.8 †	500m†		250k†		100 †	850m†	30u	3.0k	38	C080	MP50b
13▼#	AN264	24	400m			65		100m		50k						27	C103	TO116
14#	FSS209A	24	768m			32*				88k	24		20	1.0 %		48		MP82
15#	FSS209B	24	768m			42*				88k	24		20	1.0 %		48		MP82
16#	FSS209C	24	768m			49*				88k	24		20	1.0 %		48		MP82
17#	FSS209D	24	768m			55*				88k	24		20	1.0 %		48		MP82
18	ATP24	24	1.8	20k§	20	56	118 Ø	500m	2.0	47k	2.0	60	35	250m	600	05		CB☑
19	143E	25	200m	200k§	500m	20†	164 §	250m		1.0G	150	50 †	6.0			25		MP225
20	143F	25	200m	200k§	500m	20†	164 §	250m		1.0G†	150	50 †				25		MP225
21	146	25	200m	200k§	500m	20†	3.0 *			1.0G		50 †				25		MP☑
22	144E	25	200m	200k§	500m	40†	164 §	250m		1.0G†		50 †	6.0			25		MP225
23	144F	25	200m	200k§	500m	40†	164 §	250m		1.0G†		50 †	6.0			25		MP225a
24#	525	25	1.4	200k	20	22	75 §†	2.0	500m	30k	10	650m	21	5.0	8.0	38	C100	MP294
25	LM1303N	26	400m	20k†	10 †	68		100m†				10k	11			07		MP☑
26	MC1303L*	26	400m	20k†	10 †	68		100m†				10k	11			07	C016	TO116
27	MC1303P*	26	400m	20k†	10 †	68		100m†				10k	11			07	C016	MP25a
28	155L	28	504m	200k§	500m	20	136 §	500m		1.0G		50	11			25		MP193
29	155N	28	504m	200k§	500m	20	136 §	500m		1.0G		50	11			25		MP196
30	143L	28	560m	200k§	500m	20†	164 §	250m		1.0G†	150	50 †	11			25		MP193
31	143N	28	560m	200k§	500m	20†	164 §	250m		1.0G†	150	50 †	11			25		MP196
32	144L	28	560m	200k§	500m	40†	164 §	250m		1.0G†	150	50 †	11			25		MP193
33	144N	28	560m	200k§	500m	40†	164 §	250m		1.0G†	150	50 †	11			25		MP196
34	HEPC6055L-RT	30				75							4.5			07	C016	TO116
35	162	30		10 §	50k	0.0§				100M	10		10					
36	137	30	210m	10k§	200m	60†	800m*	500m		100k†		50 †				27		MP195
37	138	30	210m	10k§	200m	60†	500m*	500m		100k†		50 †				27		MP195
38	CA3043§	30 §	260m			72		1.0 †		7.0k†			210m			5C	C026	CN18
39▼	CA3043H§	30 §	260m			72		1.0 †		7.0k†			210m			5C	C026	FC16j
40	HEPC6002-RT	30 §	360m			80	3.0 *	250m		75k†		100 †				07	C072	MP131a
41	MFC8040	30 §	360m			80	3.0 *	250m♦		75k†		100 †	20 †			07	C072	MP131a
42	MM20	30	450m	20k§	20	10	125 Ø	500m	2.0	6.0k	10	5.0	20	500m	100	05		CB☑
43	PM37	30	450m	20k§	20	20	1.2 Ø	500m	2.0	10k	10	1.0	20	5.0	8.0	05		CB☑
44	1731§	30	450m	20k§	20	40	129 Ø	250m	2.0	100kΔ	8.0	100	20	500m	100	28		MP5y
45	PM40	30	450m	20k§	20	40	1.2 Ø	500m	2.0	10k	16	1.0	32	16	16	04		CB☑
46	ATP20	30	450m	20k§	20	46	125 Ø	500m	2.0	47k	8.0	5.0	20	500m	100	04		CB☑
47	AL27	30	450m	20k§	30	50	125 Ø	500m	2.0	10k	8.0	60	48	500m	600	04		CB☑
48	AML27	30	450m	20k§	30	50	129 Ø	500m	2.0	1.5k	2.0	60	48	500m	600	04		CB☑
49	AM20	30	450m	20k§	30	60	129 Ø	300m	2.0	1.5k	200m	10	20	80m	600	04		CB☑
50	BHA0002	30 §	600m	20k†	25 †	22	70 †	1.0 †		18k	1.4			15	3.2	3A	C033	MP73
51	FS21§	30	750m			80	10 *			250kΔ			20	40 %	1.0k	07		MP2r
52▼	MFC8020A	30 §	900m	50kt Ø	90 †	89†	18 †*	5.0						1.0 †	3.2	17	C104	MP259
53#	FSS208A	30	960m			32*				88k	24		26	1.0 %		48		MP82
54#	FSS208B	30	960m			42*				88k	24		26	1.0 %		48		MP82
55#	FSS208C	30	960m			49*				88k	24		26	1.0 %		48		MP82
56#	FSS208D	30	960m			55*				88k	24		26	1.0 %		48		MP82
57▼	LM377*	30	9.0	75kØ	0.0	100								2.0	8.0			
58▼	LM378*	30	9.0	75kØ	0.0	100				3.0M			14	4.0	16	07		MP335
59#	AN213	32	320m	50k		63	1.0 Δ	150m†		100k						27		
60	MFC8020	32 §	960m					5.0					15	10		17	C071	MP131a
61#	SI1010Y	34 §	600m	100k	20	30†	90 †	500m	1.0	60k†	840m	300m†	27	10	8.0	17	C096	MP219
62	TCA460K	35 §♦	400m†	25k	40	46	2.0u*	10		1.0M	20		25	5.0	16	0C	C102a	MP247
63	TCA460N	35 §♦	400m†	25k	40	46	2.0u*	10		1.0M	20		25	5.0	16	0C	C102a	MP264
64	TCA460KB	35 §♦	480m†	25k	40	34	2.0u*	10		1.0M	20		22 †	5.0 †	16	2C	C102a	MP247
65#	LO45T9	36	30m			83	120 Ø	3.0		2.0M†	24	75 †		26m		28	C075	TO99
66▼	RC4739DP	36	500m	20k	10	110	2.5 *	.10		300k	28		24			07		TO116
67	HEP593-RT	36	1.2	270k		8.0		1.0	35	7.0k		200m†		1.0	16	5C	C018	CN8g
68▼	LM381*	40	800m	75kØ	0.0	100	1.0	100m	1.5	100k	300M	150 †	38					
69▼	LM382*	40	800m	75kØ	0.0	100	1.0	300m	1.5	100k	300M	150 †	38					
70	NE540L	40	800m	100k§		70%		1.0	100m†	20k†					250	07		TO100
71#	FSS217D	40	1.0	18k†		54*				88kΔ	160	2.0	36	1.5 %		48		MP82
72#	FSS217C	40	1.0	30k†		49*				88kΔ	160	2.0	36	1.5 %		48		MP82
73#	FSS217B	40	1.0	60k†		43*				88k	160	2.0	36	1.5 %		58		MP82
74#	FSS217A	40	1.0	200k†		33*				88k	160	2.0	36	1.5 %		58		MP82
75#	FSS207A	40	1.2			32*				88k	24		36	1.0 %		48		MP82
76#	FSS207B	40	1.2			42*				88k	24		36	1.0 %		48		MP82
77#	FSS207C	40	1.2			49*				88k	24		36	1.0 %		48		MP82
78#	FSS207D	40	1.2			55*				88k	24		36	1.0 %		48		MP82
79▼	MFC8022A	40 §	1.2	50kt Ø	90 †	90†	18 †*	5.0						1.0 †	3.2	17	C104	MP259
80#	1040	40	2.2	200k	20	22	75 §†	2.0	500m	30k	10	500m	36	10	8.0	38	C100	MP294
81	770-401-201	44	1.1	2.0M		0.0	2.0 Δ			100M	20	500m	20	20m%	1.0k	05		MP44
82	770-401-102	44	1.1	2.0M		6.0	2.0 Δ			10k	10	500m	20	20m%	1.0k	05		MP44
83	770-401-202	44	1.1	2.0M		6.0	2.0 Δ			100M	10	500m	20	20m%	1.0k	05		MP44
84	770-401-105	44	1.1	2.0M		14	2.0 Δ			10k	4.0	500m	20	20m%	1.0k	05		MP44
85	770-401-205	44	1.1	2.0M		14	2.0 Δ			100M	4.0	500m	20	20m%	1.0k	05		MP44
86	770-401-110	44	1.1	2.0M		20	2.0 Δ			10k	2.0	500m	20	20m%	1.0k	05		MP44
87	770-401-210	44	1.1	2.0M		20	2.0 Δ			100M	2.0	500m	20	20m%	1.0k	05		MP44
88	770-401-120	44	1.1	2.0M		26	2.0 Δ			10k	1.0	500m	20	20m%	1.0k	05		MP44
89	770-401-220	44	1.1	2.0M		26	2.0 Δ			100M	1.0	500m	20	20m%	1.0k	05		MP44
90	770-401-150	44	1.1	2.0M		34	2.0 Δ			10k	400m	500m	20	20m%	1.0k	05		MP44
91	770-401-250	44	1.1	2.0M		34	2.0 Δ			100M	400m	500m	20	20m%	1.0k	05		MP44
92	770-401-101	44	1.5	2.0M		0.0	2.0 Δ			10k	20	500m	20	20m%	1.0k	05		MP44
93#	SI1020A	48 §	1.2	100k	20	30	90	500m	1.0	70k†	1.0	400m	40	25	8.0		C058	MP107
94#	SI1025A	48 §	1.2	100k	20	30	90 †	500m	1.0	70k†	1.0	400m†	46	25	8.0	28	C058	MP107
95	360BM	50	200m	15k	50	55*	125 Ø	200m	1.0	50	1.0	50	4.0	2.0m	600	28	A041	OCT
96	444§	50	1.0	25k	0.0	56		1.0		20k		100m	40	15	8.0	58	A039	OCT
97	SE540L	50	1.0	500k§		80%		500m	100m†	20k†					250	5C		TO100
98	1757§	50	1.3	20k§	20	80	129 Ø	250m	2.0	100kΔ	16	100	40	2.0	100	28		MP5y
99	360M	50	1.5	15k	50	55*	125 Ø	200m	1.0	50	1.0	10	8.0	60m	600	28	A041	OCT
100#	FSS216D	60	1.5	18k†		54*				88k	160	2.0	56	1.0 %		58		MP82
101#	FSS216C	60	1.5	30k†		49*				88k	160	2.0	56	1.0 %		58		MP82
102#	FSS216B	60	1.5	60k†		43*				88k	160	2.0	56	1.0 %		58		MP82
103#	FSS216A	60	1.5	200k†		33*				88k	160	2.0	56	1.0 %		58		MP82
104#	FSS206A	60	1.9			32*				88k	24		56	1.0 %		48		MP82
105#	FSS206B	60	1.9			42*				88k	24		56	1.0 %		48		MP82
106#	FSS206C	60	1.9			49*				88k	24		56	1.0 %		48		MP82
107#	FSS206D	60	1.9			55*				88k	24		56	1.0 %		48		MP82
108	PMA50	60	2.1	70k	8.0	30	100 §	100m		47k†		10m	54	35	8.0	0A		MP249
109#	SI1050A	62 §	1.8	100k	20	30	90 †	500m	1.0	70k†	1.0	300m†	56	50	8.0	28	C095	MP129
110▼#	SI1050G	65	30	20k	20	28	90	500m	2.0	30k	10	300m	20	50	8.0		C106	MP329

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

5. AUDIO AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER
(3)MIN UPPER 3dB BW (4)MIN VOLT GAIN (5)TYPE

LINE No.	5 TYPE No.	PWR SUP@25°C RATED SPECS 1 TOT. VOLT (ΔV)	2 MAX IDLE P (W)	TRANSFER CHARACTERISTICS @25°C 3dB BANDWDTH 3 MIN. UPPER (Hz)	MAX. LOWER (Hz)	4 MIN. VOLT. GAIN (dB)	MAX. NOISE FIGURE (dB)	MAX. THD (%)	ΔTEMP GAIN VAR. (dB)	INPUT @25°C MIN. RESIST (Ω)	MAX. VOLTS P-P (ΔV)	OUTPUT CHAR. @25°C MAX. RESIST (Ω)	MIN. VOLT. P-P (ΔV)	MIN. POWER (W)	@ LOAD RES. (Ω)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1♦#	5070	70	2.0	25kØ	15	27	80 §	500m	500m	20k	10	200m	62	50	8.0	08	C101	
2	432§	72	1.0	25k	0.0	26*	90 §	500m	1.0	100k	10	100m	60	10	4.0	28		OCT
3	A47	115	10	20k§	20	49	83 §	750m	2.0	60k	2.0	1.0	56	50	8.0	05		CN⍁
4	CA3042§	140 §	270m	4.0M	0.0	30†		5.0		100k†	6.0	250 †	8.4 †		150k	08	C025	MP50
5#	TAA591§	140 §	270m	4.0M	0.0	30†		5.0		100k†	6.0	250 †	8.4 †		150k	08		MP50
6	CA3041§	140 §	275m	60k	0.0	41†		5.0		100k†	6.0	30k†	22 †			08	C024	MP50
7#	TAA691§	140 §	275m	4.0M	0.0	41†		5.0		100k†	6.0	30k†	18 †			08		MP50

6. RF/IF AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER (3)POWER GAIN (4)UNTUNED 3dB BW (5)TYPE No.

LINE No.	5 TYPE No.	PWR SUP@25°C RATED SPECS 1 TOT. VOLT (ΔV)	2 MAX IDLE P (W)	MIN TRANSFER CHARACTERISTICS @25°C 3 PWR GAIN @ 50Ω LOAD & SOURCE (dB)	SPEC FREQ (Hz)	4 UN-TUNED 3dB BW (Hz)	Y21 (mhos)	Y12 (mhos)	MAX. NF (dB)	INPUT CHAR @25°C MIN. VOLT. P-P (ΔV)	MAX. COND. (mhos)	MAX. CAP. (F)	OUTPUT CHAR. @25°C MIN. VOLT. P-P (ΔV)	MIN. COND. (mhos)	MAX. CAP. (F)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1	LM172§	6.0 §	10m	50 Ø	455k	2.0M♦				500m						5C	C005	CN1c
2	LM272§	6.0 §	10m	50 Ø	455k	2.0M♦				500m						27	C005	CN1c
3	LM372§	6.0 §	10m	50 Ø	455k	2.0M♦				500m						07	C005	CN1c
4	LM372N	6.0 §	10m	50 Ø	455k	2.0M♦				500m						07	C005	MPⓏ
5	MC1550F	6.0 §	15m	25 †§	60M	100M♦	20m		5.0		2.5m	7.0p		10u	20p	5C	D007	TO91
6	MC1550G	6.0 §	15m	25 †§	60M	100M♦	20m		5.0		2.5m	7.0p		10u	20p	5C	D007	CN10j
7#	SFC2006	6.0 §	26m	32 *♦	1.7M	10M		1.0mØ	3.0 †	7.0m						18	D020	TO99
8♦#	SL612C	6.0 §	30m	32 *♦	1.7M	10M		1.0mØ	3.0 †	56 †	700mt			33mt		5C	D021	CN11e
9#	SFC2008	6.0 §	120m	18 *♦	30M	80Mt		1.0mØ	4.0 †	36m	200ut	5.0pt				18	D021	TO99
10♦#	SL610C	6.0 §	120m	18 *♦	30M	85M		1.0mØ	4.0 †	280 †	700mt					5C	D020	CN11e
11♦#	SL611C	6.0 §	120m	24 *♦	30M	50M		1.0mØ	4.0 †	140 †	700mt					5C	D020	CN11e
12#	SFC2011	6.0 §	120m	24 *♦	30M	70Mt		1.0mØ	4.0 †	36m	100ut	5.0pt				18	D021	TO99
13#	TAA350%	6.0	120m	80 *	5.5M	12Mt				280u	400mt		840m	14	1.4n	2C	E031	CN27
14	HEP590-RT	6.0 §	680m	25 ♦†§	60M	500k	10m	1.0ut	5.0 †	10	2.5m	7.0p			1.9p	2C	D007	CN8g
15#	TAA450%	7.0	105m	69 *	5.5M	10Mt				840u	400m	10p	2.8 †	100m	6.0p	2b	C042	CN27
16#	AN253	7.5	300m		10M						1.7m			100m		27		MP178
17#	SL510C	9.0 §	270m	3.5	60M	100Mt							5.0			5C	D034a	TO100
18#	SL511C	9.0 §	270m	8.0	60M	100Mt							5.0			5C	D034	TO100
19#	AN217	9.5	400m		10M						1.2m			500m		27		MP178
20#	AN203	10	70m	152	10M													TO116
21#	AN210	10	110m	192	10M								7.6m			27		TO116
22▼#	TAA991D	11	70m	86 *	10M					50m	10m	100p				07		MP39
23	CA3004§	12	26mt	10 §	100M	120M♦			9.0	7.0 Δ						5C	B019	CN18
24	CA3005§	12	26mt	16 §	100M	120M♦			9.0	7.0 Δ						5C	B020	CN18
25▼	CA3005H§	12	26mt	16 §	100M	120M♦			9.0	7.0 Δ						5C	B020	FC16
26	CA3006§	12	26mt	16 §	100M	120M♦			9.0	7.0 Δ						5C	B020	CN18
27	MFC6010	12 §	60m	40 †	10M		25m	10ut	7.0 †	10 Δ	400ut	6.0pt		35ut	2.5pt	17		MP258
28#	SL501B	12	65m	23 %♦§	30M	60	500mt	4.0nt	6.0 †		16mt		12	200ut	4.0pt	5F	D013	CN11b
29#	SL502B	12	65m	23 %♦§	30M	60	500mt	4.0nt	6.0 †		16mt		12	200ut	4.0pt	5F	D013	CN11b
30#	SL551B	12	65m	23 %♦§	30M	60	500mt	4.0n	6.0 †		16mt		12	200u	3.2p	5F	D013	FP2h
31#	SL552B	12	65m	23 %♦§	30M	60	500mt	4.0n	6.0 †		16mt		12	200u	3.2p	5F	D013	FP2h
32#	SL501A	12	65m	24 %♦§	30M	80	500mt	4.0nt	6.0 †		16mt		12	200ut	4.0pt	5F	D013	CN11b
33#	SL502A	12	65m	24 %♦§	30M	80	500mt	4.0nt	6.0 †		16mt		12	200ut	4.0pt	5F	D013	CN11b
34#	SL551A	12	65m	24 %♦§	30M	80	500mt	4.0n	6.0 †		16mt		12	200u	3.2p	5F	D013	FP2h
35#	SL552A	12	65m	24 %♦§	30M	80	500mt	4.0n	6.0 †		16mt		12	200u	3.2p	5F	D013	FP2h
36	LM703L	12	66m	28 %	100M	100M	24m	2.0ut	8.0	10m	1.0m	12p	1.7	30ut	4.0p	07	D002	
37	NE510A#1	12 §	100m	25 †	60M	10Mt					400ut	4.5p	25 †	10ut	2.5pt	07	D016	TO116
38	NE510J#1	12 §	100m	25 †	60M	10Mt					400ut	4.5p	25 †	10ut	2.5pt	07	D016	TO88
39	NE511B§	12 §	100m	25 †	60M	10Mt	25m			20 Δ	2.0mt	4.5pt	25 †	10ut	2.5pt	07	D026	MP153
40	NE511R§	12 §	100m	25 †	60M	10Mt	25m			20 Δ	2.0mt	4.5pt	25 †	10ut	2.5pt	07	D026	FP13
41	SE510A#1	12 §	100m	25 †	60M	10Mt					400ut	4.5p	25 †	10ut	2.5pt	5C	D016	TO116
42	SE510J#1	12 §	100m	25 †	60M	10Mt					400ut	4.5p	25 †	10ut	2.5pt	5C	D016	TO88
43	SE511B§	12 §	100m	25 †	60M	10Mt	25m			20 Δ	2.0mt	4.5pt	25 †	10ut	2.5pt	5C	D026	MP153
44	SE511R§	12 §	100m	25 †	60M	10Mt	25m			20 Δ	2.0mt	4.5pt	25 †	10ut	2.5pt	5C	D026	FP13
45	NE510A#2	12 §	100m	30 †§	60M	10Mt					2.0mt	10pt	25 †	10ut	2.5pt	07	D016	TO116
46	NE510J#2	12 §	100m	30 †§	60M	10Mt					2.0mt	10pt	25 †	10ut	2.5pt	07	D016	TO88
47	SE510A#2	12 §	100m	30 †§	60M	10Mt					2.0mt	10pt	25 †	10ut	2.5pt	5C	D016	TO116
48	SE510J#2	12 §	100m	30 †§	60M	10Mt					2.0mt	10pt	25 †	10ut	2.5pt	5C	D016	TO88
49	LM171	12 §	108m	25	100M	250M♦	17m	100ut	8.0		2.5m	10pt	4.5	10ut	3.0p	5C	D001	CN17c
50	LM271	12 §	108m	25	100M	250M♦	17m	100ut	8.0		2.5m	10pt	4.5	10ut	3.0p	07	D001	CN17c
51#	SL503B	12	114m	23 %♦§	30M	60	500mt	4.0n	6.0 †		16mt		12	200u	3.2p	5F	D013	CN11b
52#	SL553B	12	114m	23 %♦§	30M	60	500mt	4.0n	6.0 †		16mt		12	200u	3.2p	5F	D013	FP2h
53#	SL503A	12	114m	24 %♦§	30M	80	500mt	4.0n	6.0 †		16mt		12	200u	3.2p	5F	D013	CN11b
54#	SL553A	12	114m	24 %♦§	30M	80	500mt	4.0n	6.0 †		16mt		12	200u	3.2p	5F	D013	FP2h
55♦	CA3053Ⓩ§	12 §♦	120m	35	10M	5.0Mt	100mt	300nt	9.0		600ut	22pt		0.0	1.4pt	5C	B021	TO99
56	LA703CH	12 §	170m			150M	22m	2.0ut	6.0 †		500u	11p		60u	4.0p	07	D004	CN1a
57	LA703H	12 §	170m			150M	24m	2.0ut	6.0 †		1.0m	12p		50u	4.0p	5C	D004	CN1a
58#	MT703	12	170m	28 †	100M		29m		6.5 †		430u	9.0p		20ut	3.0p	5C	D002	CN42
59#	MT703C	12	170m	28 †	100M		23m		6.5 †		500u	11p			3.0p	07	D002	CN42
60#	MT703E	12	170m	28 †	100M		24m	2.0ut	6.0 †		1.0m	12p		30ut	4.0p	07	D002	CN42
61	LS510NA	12	180m		10M	250 ♦	25mt			10	700ut△	4.5pt		10ut△	2.5pt	07	D016	TO116
62	LS510SA	12	180m		10M	250 ♦	25mt			10	700ut△	4.5pt		10ut△	2.5pt	5C	D016	TO116
63	NE510A△	12	180m		10M	250 ♦	25mt			10	700ut△	4.5pt		10ut△	2.5pt	07	D016	TO116
64	SE510A△	12	180m		10M	250 ♦	25mt			10	700ut△	4.5pt		10ut△	2.5pt	5C	D016	TO116
65	NE510AⓏ	12	180m			60Mt	25mt	50f%t		20 Δ	3.0mt	10pt		10ut	2.5pt	07	D016	MP153
66	NE510J	12	180m			60Mt	25mt	50f%t		20 Δ	3.0mt	10pt		10ut	2.5pt	07	D016	FP14
67	SE510AⓏ	12	180m			60Mt	25mt	50f%t		20 Δ	3.0mt	10pt		10ut	2.5pt	5C	D016	MP153
68	SE510J	12	180m			60Mt	25mt	50f%t		20 Δ	3.0mt	10pt		10ut	2.5pt	5C	D016	FP14
69	MC1590G	12 §	200m	40 §	60M	100M	150m	5.0u	6.0 †		400m		14 †	50u		5C	E038	TO99
70	MC1350P	12 §	204m	46 §♦	45M		200mt	1.0u	9.0 †	5.0 Δ	390ut	7.4p	20 †	30ut△	1.3p	07	D023	MP161
71	HEPC6059P-RT	12 §	204m	60	45M		160m	1.0u	9.0 †	8.0	390u	8.1p		4.0u	1.3p	07	D023	MP161
72#	TBA261AX2	12	240m								210ut	3.0pt	1.8			07	D035	MP246
73#	TBA261AX7	12	240m								210ut	3.0pt	1.8			07	D035	TO116
74	uA757-6A-312	12	240m	65	500k		14mt		8.0 †	24		2.5pt	6.0		2.6p	5C	D030	MP14v
75	uA757-6A-393	12	270m	65 §*	500k		14m		8.0 †	24 Δ		2.5pt	6.0		2.6pt	07	D030	MP14v
76	MC1352P	12 §	370m	52 †♦	45M		240mt	1.0u	7.5 †	10	700ut	10p	16 †	40ut	2.0p	07	D032	MP25c
77	MC1352PQ	12 §	370m	52 †♦	45M		240mt	1.0u	7.5 †	10	700ut	10p	16 †	40ut	2.0p	07	D032	MP160
78	MC1353P	12 §	370m	52 †♦	45M		240mt	1.0u	7.5 †	10	700ut	10p	16 †	40ut	2.0p	07	D032	MP25c
79	MC1353PQ	12 §	370m	52 †♦	45M		240mt	1.0u	7.5 †	10	700ut	10p	16 †	40ut	2.0p	07	D032	MP160
80#	AN238	12	445m	45 †	58M		230mt	1.0ut								27		TO116
81#	TBA120	14	250m	60 *	10M					3.0			3.5			16	D029	MP39
82#	TBA120A	14	250m	60 *	10M					3.0			3.5			16	D029	
83#	TAA661A	15				5.0k				8.0 Δ	400u	8.0p	1.4			0A		TO100
84#	TAA661B	15				5.0k				8.0 Δ	400u	8.0p	1.4			0A		
85#	TAA661C	15				5.0k				8.0 Δ	400u	8.0p	1.4			0A		
86	HEPC6061P-RT	15 §	125mt				8.0			5.0		5.0p				07		TO116
87#	TBA400	15	350m	75 *	35M	40M			6.0	250m			15			16		
88▼#	TBA400D	15	350m	75 *	35M	40M			6.0	250m			15			16		MP39
89▼	MC1349P	15 §	400m	52	45M		520mt	1.5ut	8.5 †	5.0 Δ		6.8pt	6.0 †		1.0pt	07	D040	MP161
90	CA3076§	15	500m	80		20M	6.0 †	100nt				4.0pt	4.0m		1.7pt	5C	D031	Δ002AL
91▼	CA3076H§	15	500m	80		20M	6.0 †	100nt				4.0pt	4.0m		1.7pt	5C	D031	FC16n
92#	TBA120AS	18	250m	68 *	5.5M					3.0			1.5			06		MPⓏ
93#	TBA120S	18	250m	68 *	5.5M					3.0			1.5			06		MPⓏ
94	MFC4010A§	18 §	500m	60	1.0k	20 †	4.6mt	8.8ut	6.0 †	1.4mt	1.3mt	22pt	400mt	120ut	0.0ut	17		MP223
95#	L103T1	20	170m			150M	23m		6.5 †	10 Δ	500u	11p			3.0p	07	D004	TO99
96#	L103T2	20	170m			150M	29m		6.5 †	10 Δ	280u	9.0p		20ut	3.0p	5C	D004	TO99
97	uA703-5Z-394	20	170m	40 †	10M	100M	24m	2.0u	8.0	10 Δ	12m	12p	2.8 †	50u	4.0p	07	D004	CN42
98	HEPC6001-RT	20 §	1.0	40 †	10M		25m	10ut	7.0 †	10 Δ	400ut	6.0pt	9.8	35ut	2.5pt	07	D036	MP166
99#	TAA640	22	350m	70	5.5M				44 †	100ut			1.6 †			26	D025	TO116
100	uA703L	24	84m	28 †	100M	250 ♦	24m	20ut	8.0 †	10	1.0m	12p	4.7	50u	4.0p	07	D039	CN1
101	LS703L	24	84m	28 †	100M	250M♦	24m	20ut	8.0 †	10	1.0m	12p	4.7	50u	4.0p	07	D039	CN1
102	CA3053△	24 ♦	150m	35	10M	250 ♦			6.0 †	10						5C	B021	TO99
103	LS3053	24 ♦	150m	35	10M	250M♦			6.0 †	10						5C	B021	TO99
104	LS171	24	216m	28 †	200M	250M♦	17m	100ut	6.0 †	10	2.5m			40u		5C	D001	CN17c
105	LS271	24	216m	28 †	200M	250M♦	17m	100ut	6.0 †	10	2.5m			40u		2A	D001	CN17c
106	CA3028B△	24 ♦	220m	35	10M	250 ♦			9.0 †	10						5C	B021	TO99
107♦	CA3028BⓏ§	24 ♦	220m	35	10M	5.0Mt	100mt	300nt	9.0	5.0	600ut	22pt		0.0	1.4pt	5C	B021	TO99
108▼	CA3028BS§	24 ♦	220m	35	10M	5.0Mt	100mt	300nt	9.0	5.0	600ut	22pt		0.0	1.4pt	5C	B021	
109	LS3028B	24 ♦	220m	35	10M	250M♦			9.0 †	10						5C	B021	TO99
110#	MT171	24	230m	24 †	470k		17m	100ut			400u			10ut		5C	D001	CN10e

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. RF/IF AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER
(3)POWER GAIN (4)UNTUNED 3dB BW (5)TYPE No.

LINE No.	[5] TYPE No.	PWR SUP@25°C RATED SPECS [1] TOT. VOLT (ΔV)	[2] MAX IDLE P (W)	MIN TRANSFER CHARACTERISTICS @25°C [3] PWR GAIN @ 50Ω LOAD & SOURCE (dB)	SPEC FREQ (Hz)	[4] UN-TUNED 3dB BW (Hz)	Y21 (mhos)	Y12 (mhos)	MAX. NF (dB)	INPUT CHAR @25°C MIN. VOLT. P-P (ΔV)	MAX. COND. (mhos)	MAX. CAP. (F)	OUTPUT CHAR. @25°C MIN. VOLT. P-P (ΔV)	MIN. COND. (mhos)	MAX. CAP. (F)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1#	MT271	24	230m	24 †	470k		17m	100u†			400u			10u†		0A	D001	CN10e
2#	MT371	24	230m	24 †	470k		27m†	100u†			500u			10u†		0A	D001	CN10e
3	LM371☑	24	252m	22 †	100M	5.0M	27m	100u			500u			10u†		0A	D001	
4	LM371Δ	24	252m	28 †	200M	250 ♦	17m	100u†	6.0 †	10	2.5m			40u		07	D001	CN17c
5	LS371	24	252m	28 †	200M	250M♦	17m	100u†	6.0 †	10	2.5m			40u		07	B021	CN17c
6	CA3028AΔ	24 ♦	260m	35	10M	250 ♦			9.0 †	10						5C	B021	TO99
7♦	CA3028A☑§	24 ♦	260m	35	10M	5.0M†	100m†	300n†	9.0		600u†	22p†		0.0	1.4p†	5C	B021	TO99
8▼	CA3028AH§	24 ♦	260m	35	10M	5.0M†	100m†	300n†	9.0		600u†	22p†		0.0	1.4p†	5C	B021	FC16f
9▼	CA3028AL§	24 ♦	260m	35	10M	5.0M†	100m†	300n†	9.0		600u†	22p†		0.0	1.4p†	5C	B021	FC18
10▼	CA3028AS§	24 ♦	260m	35	10M	5.0M†	100m†	300n†	9.0		600u†	22p†		0.0	1.4p†	5C	B021	
11	LS3028A	24 ♦	260m	35	10M	250M♦			9.0 †	10						5C		TO99
12#	TAA730	27	400m			15M				10 Δ	1.6m†	5.0p	5.0	300u		16		TO100
13	5670BM	28 §	1.8 †	7.0 †	500M					10			20			5C	D019	FP11
14#	AN220	30	140m				12m	5.1u								27	D017	TO116
15	CA3044§	30 §	190m			45M	15m†	5.1m†								5C	D017	CN10d
16	CA3044V1§	30 §	190m			45M	15m†	5.1m†								5C	D017	CN19
17	CA3043§	30 §	260m	80 †*							140u†	5.0p†				5C	C026	CN18
18▼	CA3043H§	30 §	260m	80 †*							140u†	5.0p†				5C	C026	FC16j
19	CA3041§	140 §	280m	67 †*	4.5M					6.0 Δ	90u†	5.0p†	700m†	10u†	4.0p†	08	C024	MP50
20	CA3042§	140 §	280m	67 †*	4.5M					6.0 Δ	90u†	5.0p†	700m†	10u†	4.0p†	08	C025	MP50
21#	TAA591§	140 §	280m	67 †*	5.5M					6.0 Δ	90n†	50p†	700m†	10n†	4.0p†	08		MP50
22#	TAA691§	140 §	280m	67 †*	5.5M					6.0 Δ	90n†	50p†	700m†	10n†	4.0p†	08		MP50

7. WIDEBAND AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER (3)MIN UPPER 3dB BW (4)MIN VOLT GAIN (5)TYPE

LINE No.	5 TYPE No.	PWR SUP@25°C RATED SPECS 1 TOT. VOLT (ΔV)	2 MAX IDLE P (W)	TRANSFER CHARACTERISTICS @25°C 3dB BW 3 MIN. UPPER (Hz)	MAX. LOWER (Hz)	4 MIN. VOLTAGE GAIN (dB)	MAX. NOISE FIGURE (dB)	MAX. THD (%)	INPUT CHAR. @25°C MIN RESIST (Ω)	MAX P-P VOLTS (ΔV)	OUTPUT CHAR. @25°C MAX. RESIST (Ω)	MIN. VOLT P-P (ΔV)	LOAD RESIST (Ω)	TRANSIENT CHAR. @25°C MAX TIME RISE (s)	DELAY (s)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1▼	CA3020H§	6.0 §		8.0Mt		75 Δt	70 §t	10	1.0kt		200 †		130			5C	C022	FC16d
2#	TAA350A	6.0		12M		65					75 †	10	10k			2C	E031a	TO74
3	CA3021	6.0 §	8.0m	800k	0.0	50 §	8.5 †		4.0kt	6.0	300 †	1.7 †	♦			5C	E013	CN18
4	CA3022	6.0 §	24m	3.0M	0.0	50 §	8.5 †		1.3kt	6.0	120 †	2.0 †	♦			5C	E013	CN18
5	CA3023	6.0 §	48m	10M	0.0	50 §	8.5 †		300 †	6.0	100 †	1.4 †	♦			5C	E013	CN18
6▼	CA3023H	6.0 §	48m	10M	0.0	50 §	8.5 †		300 †	6.0	100 †	1.4 †				5C	E013	FC16e
7	SE501G%	6.0 §	53m	14M		23	7.0	5.0	540	4.0	50	2.0	600	16n	15n	5C	E014	TO91
8	SE501K%	6.0 §	53m	14M		23	7.0	5.0	540	4.0	50	2.0	600	16n	15n	5C	E014	TO100
9	NE501A	6.0 §	60m	11M		22	8.0	5.0	1.2k	4.0	65	2.8	600	20n	15n	07	E014	TO116
10	NE501G%	6.0 §	60m	11M		22	8.0	5.0	1.2k	4.0	65	2.8	600	20n	15n	07	E014	TO91
11	NE501K%	6.0 §	60m	11M		22	8.0	5.0	1.2k	4.0	65	2.8	600	20n	15n	07	E014	TO100
12	SE501A	6.0 §	60m	11M		22	8.0	5.0	1.2k	4.0	65	2.8	600	20n	15n	07	E014	TO116
13#	SL521B	6.0 §	108m	140M	7.0M	11	5.2					1.2 †				5H	E030	CN11b
14#	SL571B	6.0 §	108m	140M	7.0M	11	5.2					1.2 †				5H	E030	FP2h
15#	SL521A	6.0 §	108m	150M	7.0M	11	5.2					1.2 †				5H	E030	CN11b
16#	SL571A	6.0 §	108m	150M	7.0M	11	5.2					1.2 †				5H	E030	FP2h
17	CTS861	6.0 §	110m	140M	7.0m	11	4.0 †									5C	E032	TO77
18#	SL521C	6.0 §	114m	130M	7.0M	11	5.2					1.2 †				5H	E030	CN11b
19#	SL571C	6.0 §	114m	130M	7.0M	11	5.2					1.2 †				5H	E030	FP2h
20	MC1553G	6.0 §	120m	35Mt		52	5.0	.20	10kt									
21	MC1552G	6.0 §	120m	40Mt		34	5.0	.20	10kt									
22	CA3011	7.5 §	167m	20Mt	100kt	65	8.7 †		3.0kt									
23♦	CA3012	7.5 §	167m	20M	100kt	65	8.7 †		3.0kt							5C	E053	CN17f
24▼	CA3012H	7.5 §	167m	20M	100kt	65	8.7 †		3.0kt							5C	E053	FC16a
25	CA3013	7.5 §	170m	20Mt	100kt	65	8.7 †	1.8 †	3.0kt	6.0	32kt					5C	E021	CN10d
26	CA3014	7.5 §	170m	20Mt	100kt	65	8.7 †	1.8 †	3.0kt	6.0	32kt					5C	E021	CN10d
27▼	CA3035V1*	9.0 §	67m	500kt	1.0k	40	7.0		50kt	1.0	270 †	2.0 †	10k			5C	E016	CN19
28	CA3020A§	9.0 §	270m	8.0Mt		75 Δt	66 §t	3.3 †	55kt		200					5C	C022	CN18
29	CA3020§	9.0 §	315m	8.0Mt		75 Δt	70 §t	3.1 †	55kt		130 †					5C	C022	CN18
30	CA3034	10 §	26m	45M					2.0kt	12						5C	E018	CN10d
31	CA3034V1	10 §	26m	45M					2.0kt	12						5C	E018	CN19
32	SG1402N§	10 §	85m	40M		23			1.2ktΔ		200	3.0	100k			07	E039	MP39a
33	SG1402T§	10 §	85m	40M		23			1.2ktΔ		200	3.0	100k			5C	E039	TO100
34	SG2402N§	10 §	85m	40M		23			1.2ktΔ		200	3.0	100k			07	E039	MP39a
35	SG2402T§	10 §	85m	40M		23			1.2ktΔ		200	3.0	100k			5C	E039	TO100
36	SG3402N§	10 §	85m	50Mt		20			1.2ktΔ		300	3.0	100k			07	E039	MP39a
37	SG3402T§	10 §	85m	50Mt		20			1.2ktΔ		300	3.0	100k			5C	E039	TO100
38	MC1545F§	10	110m	50M		16	25 *t		4.0k	10	25 †	1.5	1.0k	10n		5C	E036	TO86
39	MC1545G§	10	110m	50M		16	25 *t		4.0k	10	25 †	1.5	1.0k	10n		5C	E036	CN10m
40	MC1545L§	10	110m	50M		16	25 *t		4.0k	10	25 †	1.5	1.0k	10n		5C	E036	TO116
41	MC1445F§	10	150m	75Mt		16	25 *t		3.0k	10	25 †	1.5	1.0k	6.5nt		07	E036	TO86
42	MC1445G§	10	150m	75Mt		16	25 *t		3.0k	10	25 †	1.5	1.0k	6.5nt		07	E036	CN10m
43	MC1445L§	10	150m	75Mt		16	25 *t		3.0k	10	25 †	1.5	1.0k	6.5nt		07	E036	TO116
44	HEP591-RT	10 ♦	600m	4.5M		60		2.0		6.0	60					5C	E021	CN10c
45#	M5134P§	11	180m													28	E034	MP14j
46▼	CA3002	12	55mt	11Mt		24 †	8.0		100kt	7.0	70 †	5.5				5C	D012	CN10d
47▼	CA3002H	12	55mt	11Mt		24 †	8.0		100kt	7.0	70 †	5.5				5C	D012	FC16
48	SG1401N	12 §	110m	200Mt		20 §*	8.0		2.5kt		25 †	4.0 †		5.0 †		07	E005	MP39a
49	SG1401T	12 §	110m	200Mt		20 §*	8.0		2.5kt		25 †	4.0 †		5.0 †		5C	E005	TO100
50	SG2401N	12 §	110m	200Mt		20 §*	8.0		2.5kt		25 †	4.0 †		5.0 †		07	E005	MP39a
51	SG2401T	12 §	110m	200Mt		20 §*	8.0		2.5kt		25 †	4.0 †		5.0 †		5C	E005	TO100
52	SG3401N	12 §	110m	200Mt		20 §*	6.0 †		2.5kt		50 †	3.0 †		5.0 †		07	E005	MP39a
53	SG3401T	12 §	110m	200Mt		20 §*	6.0 †		2.5kt		50 †	3.0 †		5.0 †		5C	E005	TO100
54	CA3001§	12	120m	16M	0.0	10 §	8.0		50k	5.0	70	5.0 †				5C	B023	CN18
55▼	CA3001H§	12	120m	16M	0.0	10 §	8.0		50k	5.0	70	5.0 †				5C	B023	FC16
56	AH56K	12 §	120m	300M	5.0M	9.5	5.0		50		50							MP301
57#	ZLA15	12 §	150m	25M		29 %			25k		400					5A	E012	CN23
58#	ZLA10	12 §	150m	120M		20 %			10k		400					5A	E012	CN23
59	SN7511L§	12	180mt	3.0Mt		47			5.0ktΔ	16	800 †	1.5				07	B029	Δ006AD
60	SN7511N§	12	180mt	3.0Mt		47			5.0ktΔ	16	800 †	1.5				07	B029a	Δ001AA
61	SN7511S§	12	180mt	3.0Mt		47			5.0ktΔ	16	800 †	1.5				07	B029	FP2s
62	SN5511L§	12	180mt	3.0Mt		52			5.0ktΔ	16	800 †	2.5				5C	B029	Δ006AD
63	SN5511N§	12	180mt	3.0Mt		52			5.0ktΔ	16	800 †	2.5				5C	B029a	Δ001AA
64	SN5511S§	12	180mt	3.0Mt		52			5.0ktΔ	16	800 †	2.5				5C	B029	FP2s
65	CA3040	12	186m	40M	55 †	34 §	11		150kt		125 †	1.4				5C	E035	CN18
66	MC1410G	12	220m	40Mt	0.0	36 †	2.5 †Δ	2.0 †	6.0kt	12	35 †Δ	4.5 †	5.0k	15n	9.0nt	07	E008a	TO99
67	SN7510L	12	220m	40Mt		36		2.0	6.0ktΔ	16	35 †			15n		07	E019	CN1
68	SN7510S	12	220m	40Mt		36		2.0	6.0ktΔ	16	35 †			15n		07	E019	FP2s
69	MC1510G	12	220m	40Mt	0.0	37 †	2.5 †Δ	5.0	6.0kt	12	35 †Δ	4.5 †	5.0k	12n	9.0nt	5C	E008a	TO99
70	SN5510L	12	220m	40Mt		38		5.0	6.0ktΔ	16	35 †			12n		5A	E019	CN1
71	SN5510S	12	220m	40Mt		38		5.0	6.0ktΔ	16	35 †			12n		57	E019	FP2s
72#	TAA721	12	230m	40M		37		2.0 †	6.0kt		35 †	4.5 †	5.0k	10n	10n	07	E019	TO76
73#	TAA722	12	230m	40M		37		1.5 †	6.0kt		35 †	4.5 †	5.0k	9.0n	9.0n	5C	E019	TO76
74	AH56L	12 §	240m	300M	5.0M	10	5.0		50		50							MP301
75▼	AH59	12 §	240m	300M	5.0M	11 †	7.0 †		50 †		50 †							CN2n
76	SN7512J	12	270m	80Mt	0.0	46 §	3.0u*		6.0kt	2.0	35 †	3.0	5.0k	5.0nt	6.0nt	07	E050a	MP139
77	SN7512L	12	270m	80Mt	0.0	46 §	3.0u*		6.0kt	2.0	35 †	3.0	5.0k	5.0nt	6.0nt	07	E050	TO100
78	SN7512N	12	270m	80Mt	0.0	46 §	3.0u*		6.0kt	2.0	35 †	3.0	5.0k	5.0nt	6.0nt	07	E050	MP39h
79	SN7514L	12	270m	80Mt	0.0	46 §	3.0u*		6.0kt	2.0	35 †	3.0	5.0k	5.0nt	6.0nt	07	E050a	TO99
80	SN7514P	12	270m	80Mt	0.0	46 §	3.0u*		6.0kt	2.0	35 †	3.0	5.0k	5.0nt	6.0nt	07	E050a	MP267
81	SN5512J	12	270m	80Mt	0.0	48 §	3.0u*		6.0kt	2.0	35 †	3.0	5.0k	5.0nt	6.0nt	5C	E050	MP139
82	SN5512L	12	270m	80Mt	0.0	48 §	3.0u*		6.0kt	2.0	35 †	3.0	5.0k	5.0nt	6.0nt	5C	E050	TO100
83	SN5512N	12	270m	80Mt	0.0	48 §	3.0u*		6.0kt	2.0	35 †	3.0	5.0k	5.0nt	6.0nt	5C	E050	MP39h
84	SN5514L	12	270m	80Mt	0.0	48 §	3.0u*		6.0kt	2.0	35 †	3.0	5.0k	5.0nt	6.0nt	5C	E050a	TO99
85	SN5514P	12	270m	80Mt	0.0	48 §	3.0u*		6.0kt	2.0	35 †	3.0	5.0k	5.0nt	6.0nt	5C	E050a	MP267
86	AMU5F7733393	12	288m	40M	0.0	46 §*	12ut*		4.0kt	2.0 *	20 †	3.0		12n	10n	07	E047	TO100
87	AMU6A7733393	12	288m	40M	0.0	46 §*	12ut*		4.0kt	2.0 *	20 †	3.0		12n	10n	07	E047	MP151a
88	MC1733CG	12	288m	40Mt		48 *	12u*		4.0kt	2.0 *	20 †	4.0	1.0k	10nt	7.5nt	07	E040	TO100
89	MC1733CL	12	288m	40Mt		48 *	12u*		4.0kt	2.0 *	20 †	4.0	1.0k	10nt	7.5nt	07	E040	MP139a
90	N5733A	12	288m	40Mt		48 §*	12 †*		4.0kt	2.0 *	20 †	3.0	2.0k	10nt	7.5mt	07	E040	MP153
91	N5733F	12	288m	40Mt		48 §*	12 †*		4.0kt	2.0 *	20 †	3.0	2.0k	10nt	7.5mt	07	E040	MP152
92	N5733K	12	288m	40Mt		48 §*	12 †*		4.0kt	2.0 *	20 †	3.0	2.0k	10nt	7.5nt	07	E040	CN37
93	NE592A	12	288m	40M		48	12		4.0k	2.0	20	3.0	2.0k	10n	7.5n	07		MP153
94	NE592G	12	288m	40M		48	12		4.0k	2.0	20	3.0	2.0k	10n	7.5n	07		TO91
95	NE592K	12	288m	40M		48	12		4.0k	2.0	20	3.0	2.0k	10n	7.5n	07		CN37
96	AMU5F7733312	12	288m	40M	0.0	49 §*	12ut*		4.0kt	2.0 *	20 †	3.0		10n	10n	5C	E047	TO100
97	AMU6A7733312	12	288m	40M	0.0	49 §*	12ut*		4.0kt	2.0 *	20 †	3.0		10n	10n	5C	E047	MP151a
98	MC1733G	12	288m	40Mt		49 *	12u*		4.0kt	2.0 *	20 †	4.0	1.0k	10nt	7.5nt	5C	E040	TO100
99	MC1733L	12	288m	40Mt		49 *	12u*		4.0kt	2.0 *	20 †	4.0	1.0k	10nt	7.5nt	5C	E040	MP139a
100	S5733A	12	288m	40Mt		50 §*	12 †*		4.0kt	2.0 *	20 †	3.0	2.0k	10nt	7.5nt	5C	E040	MP153
101	S5733F	12	288m	40Mt		50 §*	12 †*		4.0kt	2.0 *	20 †	3.0	2.0k	10nt	7.5nt	5C	E040	MP152
102	S5733K	12	288m	40Mt		50 §*	12 †*		4.0kt	2.0 *	20 †	3.0	2.0k	10nt	7.5nt	5C	E040	CN37
103	SE592G	12	288m	40M		50	12		4.0k	2.0	20	3.0	2.0k	10n	7.5n	5C		TO91
104	SE592K	12	288m	40M		50	12		4.0k	2.0	20	3.0	2.0k	10n	7.5n	5C		CN37
105	uA733-3F-312	12	288m	40M	0.0	50 §*	12 *		4.0kt	2.0 *	20	3.0	1.0k	10nt	7.5nt	5C	E040	TO91
106	uA733-5F-312	12	288m	40M	0.0	50 §*	12 *		4.0kt	2.0 *	20	3.0	1.0k	10nt	7.5nt	5C	E040	TO100
107	uA733-6A-312	12	288m	40M	0.0	50 §*	12 *		4.0kt	2.0 *	20	3.0	1.0k	10nt	7.5nt	5C	E040	MP14v
108	SG733CN	12	288m	50Mt		46 †	12ut*		4.0ktΔ	2.0 *	20	3.0	400	5.0nt	7.5nt	07	E040	MP39a
109	SG733CT	12	288m	50Mt		46 †	12ut*		4.0ktΔ	2.0 *	20	3.0	400	5.0nt	7.5nt	5C	E040	TO100
110	SG733T	12	288m	50Mt		46 †	12ut*		4.0ktΔ	2.0 *	20	3.0	400	5.0nt	7.5nt	5C	E040	TO100

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

7. WIDEBAND AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER (3)MIN UPPER 3dB BW (4)MIN VOLT GAIN (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP@25°C RATED SPECS [1] TOT. VOLT (ΔV)	[2] MAX IDLE P (W)	TRANSFER CHARACTERISTICS @25°C 3dB BW [3] MIN. UPPER (Hz)	MAX. LOWER (Hz)	[4] MIN. VOLTAGE GAIN (dB)	MAX. NOISE FIGURE (dB)	MAX. THD (%)	INPUT CHAR. @25°C MIN RESIST (Ω)	MAX P-P VOLTS (ΔV)	OUTPUT CHAR. @25°C MAX. RESIST (Ω)	MIN. VOLT P-P (ΔV)	LOAD RESIST (Ω)	TRANSIENT CHAR. @25°C MAX TIME RISE (s)	DELAY (s)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1	SN72733L§	12	288m	50M†		48			4.0k†	10	20 †	3.0	2.0k	10n†	7.5n†	07	B046	TO100
2	SN72733N§	12	288m	50M†		48			4.0k†	10	20 †	3.0	2.0k	10n†	7.5n†	07	B046	MP39h
3	SN52733L§	12	288m	50M†		50			4.0k†	10	20 †	3.0	2.0k	10n†	7.5n†	5C	B046	TO100
4	SN52733N§	12	288m	50M†		50			4.0k†	10	20 †	3.0	2.0k	10n†	7.5n†	5C	B046	MP39h
5	N5733G	12	288m	70MØ	0.0	52 $			20k	12	20 Δ	3.0		10n	10n	07		TO116
6	S5733G	12	288m	70MØ	0.0	52 $			20k	12	20 Δ	3.0		10n	10n	5C		TO91
7	RC733D	12	288m	120M	0.0	10 $*	12 *		4.0k†	2.0 *	20	3.0	1.0k	10n†	7.5n†	07	E040	MP40
8	RC733DP	12	288m	120M	0.0	10 $*	12 *		4.0k†	2.0 *	20	3.0	1.0k	10n†	7.5n†	07	E040	MP40
9	RC733Q	12	288m	120M	0.0	10 $*	12 *		4.0k†	2.0 *	20	3.0	1.0k	10n†	7.5n†	07	E040	FP2k
10	RM733D	12	288m	120M	0.0	10 $*	12 *		4.0k†	2.0 *	20	3.0	1.0k	10n†	7.5n†	5C	E040	MP40
11	RM733Q	12	288m	120M	0.0	10 $*	12 *		4.0k†	2.0 *	20	3.0	1.0k	10n†	7.5n†	5C	E040	FP2k
12	uA733-5F-393	12	288m	120M†	0.0	47			10kΔ	2.0	20 †	3.0	1.0k	12n	10n	07	E040	TO100
13	uA733-6A-393	12	288m	120M†	0.0	47			10kΔ	2.0	20 †	3.0	1.0k	12n	10n	07	E040	MP14v
14▼#	SAA700B	12	400m	5.0M†					2.7k†	5.0		4.2 †				07	E052	MP320
15	AH1020	12 §	480m	500M	100M	28 †	5.0		50		50							MP302
16	RC733T	12	500m	120M†	0.0	18 $*	12 †*		10k	2.0 *	20 †	3.0	400	12n	10n	07	E040	TO100
17	RM733T	12	500m	120M†	0.0	19 $*	12 †*		20k	2.0 *	20 †	3.0	400	10n	10n	5C	E040	TO100
18#	TBA440	13 §	234m	9.0M†		50 §			1.9k†	150u†	25k	4.0 †				27	E051	MP252d
19#	SN2600	14 §	120m	4.5M†		23 *										5C	E028	TO84
20#	SN2610	14 §	120m	6.0M†		14 *	4.0									5C	E029	TO84
21	AH52	16 §	400m	500M	10M	14	5.0		50		50					5A		CN2n
22▼	AH53	16 §	400m	600M	100M	13 †	5.5 †		50 †		50 †							CN2n
23	ATF416	18	270m	10M	0.0	49	4.0		20k	5.0	800	10 †	1.0k			28	A130	MP174
24	HEPC8010-RT	18 §♦	500m			60	1.0m†Δ									17	E048	MP130a
25	35007B	20	1.0 †	1.3G	400M	18	6.0			40		40			1.3n	57		MP187
26	35007A	20	1.0 †	1.3G	400M	20	5.0			40		40			1.3n	57		MP187
27	35000A	20	1.5	100M	100k	30	8.0		50		50							MP188
28	35005A	20	6.7	2.0G	100M	40	12 †		50	20	50	20				57		MP186
29#	712-9-5B	21	125m			63			10k	4.5	600	10		30n		07		TO99
30#	712-1-5B	21	125m			70			10k	4.5	500	10		30n		5C		TO99
31	HX610	24	1.4	100M†		52			300k†	6.0		5.0	100			68	E043	CN17e
32▼	AH60	24 §	3.6	300M	5.0M	9.0 †	8.0 †		50 †		50 †							CN22c
33▼	MHW560	24	5.0	300M	40	14 Δ	8.5	58 Δ										MP323
34▼	MHW561	24	6.0	300M	40	14 Δ	12	69 Δ										MP323
35▼	MHW562	24	6.0	300M	40	14 Δ	10	69 Δ										MP323
36	35002A	28	1.1 †	400M	100k	19	5.0			20		60		20p		57		MP185
37	IH5101IIE	30	450m	10M	100	66	3.0 Δ	1.0	1.0	1.0	10	1.0	75	30n	20n	28	E049	MP261
38	IH5101MIE	30	450m	10M	100	66	3.0 Δ	1.0	1.0	1.0	10	1.0	75	30n	20n	5C	E049	MP261
39	L174AA§	30	500m	4.0M	0.0	86			100k	20		20	500	250m		5C		TO73
40	L174AL§	30	750m	4.0M	0.0	86			100k	20		20	500	250m		5C		TO86
41	VA21	30	750m	8.0MØ	0.0	92	10 *		250k			20	1.0k	20n	13n	07		MP2r
42♦	CD23	30	750m	10MØ		92	5.0 *		250kΔ			20	100			05		MP83a
43♦	VA23	30	750m	10MØ		106	5.0 *		250kΔ			20	200			06		MP83a
44▼	WB23	30	750m	10MØ		106	5.0 *		250kΔ			20	200			06		MP83a
45	VA22	30	1.0	4.0MØ	0.0	92	10 *		10G†			20	1.0k	40n	33n	07		MP2
46♦	VA24	30	1.3	7.0MØ		86	5.0 *		100G			20	330			05		MP83
47	35001A	30 §	7.5	100M	100k	20	10		50		50							MP188
48	821Δ	40	1.2	30M	0.0	500m		1.0	4.0k	36	15	32	100	60n	20n	5C	E006	MP34d
49	866	40	1.4	30M	0.0	0.0		1.0	4.0k	40	10	32		60n	20n	5C		
50	822Δ	40	1.4	30M	0.0	500m		1.0	4.0k	36	10	32	50	60n	20n	5C	E006	MP34d
51	824	60	168m	4.0M	0.0	9.0		1.0	9.0k	40	100	36	140	3.0u		5C		MP156
52	823	60	600m	4.0M	0.0	0.0		1.0	1.0k	60	10	52		100n		5C	E037	MP34d

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	[4] TYPE No.	[1] NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	HIGH (V)	[2] MAX INPUT LINE V	MIN OUT/ IN DIFF. (ΔV)	[3] MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	MAX TRANSIENT RECOVERY @LOAD CHG. (s)	T C M P	D E -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO
1	LM100F		2.0	30	40	3.0	500m§	25m		1.0m%		200mΔ		500m		3.0u	3.0u	5F		F001	FP2
2	LM100H		2.0	30	40	3.0	500m§	25m		1.0m%		200mΔ		500m		3.0u	3.0u	5F		F001	CN1a
3	CA3055		1.8	34	40		630m§	115m	300m	2.5mt△								5C		F060	Δ002AL
4	MC1466L§	1.0 §			30		750m	1.0m			3.0m	30m	1.0m	200m				07		F043	TO116
5	MC1566L§	1.0 §			35		750m	1.0m			1.0m	10m	1.0m	100m				5C		F043	TO116
6	MFC4060	4.0			38	3.0	1.0	200m		3.0m		30mΔ	100m	200m				17		F071	MP164
7	MFC6030	4.0			38	3.0	1.0	200m		3.0m		30mΔ	100m	200m				17		F071a	MP166
8▼	MIVR42050-410	4.0			44		120	10		50mΔ	40	100m	10	200m	60			$F			TO3
9▼	MIVR42051-045	4.0 ♦			44		120	5.0		50mΔ	40	100m	5.0	200m	60			$F			TO3
10	BN4100	5.0				9.0 *	15	1.0		100mΔ				2.5				3C		F058	CN32a
11	BN4008	5.0				9.0 *	25	1.0	250m	40mΔ		2.0		2.0				3C		F057	CN32
12	BN4009§	5.0					25	1.0	250m	40mΔ		1.0		1.0				3C		F057	CN32
13#	TBA625AX5	5.0	4.7	5.2	20	7.5 *	750m	100u	100mt	3.0mt△		1.0 △		1.0 △	46			07		F078	TO39
14#	SI3554M	5.0			20	4.0	3.0	3.0	17m	3.0m	1.0	40m	1.0	334m	54					F093	TO3
15#	L005T1	5.0	4.7	5.2	20	7.5 *	3.2	600m	15mt	3.0mt△		500m		1.0	46			07		F078	TO3
16#	TBA325A	5.0	4.7	5.2	20	7.5 *	3.2	600m	15mt	3.0mt△		500m		1.0	46			07		F078	TO3
17▼#	SI3552M	5.0			20	4.0	40	1.5	10m	3.0m	10	600m	1.5	800m	60					F093	TO3
18▼	LM120H05	5.0 ♦	2.0 %	2.0 %	25	1.0	2.0	500m	30mt	250u	18	25m§	495m	50mΔ	67			5C		F108	TO5
19▼	LM220H05	5.0 ♦	2.0 %	2.0 %	25	1.0	2.0	500m	30mt	250u	18	25m§	495m	50mΔ	67			28		F108	TO5
20▼	LM320H05	5.0 ♦	4.0 %	4.0 %	25	1.0	2.0	500m	30mt	200u	18	50m§	495m	50mΔ	67			07		F108	TO5
21▼	LM120K05	5.0 ♦	2.0 %	2.0 %	25	1.0	20	1.5	30mt	250u	18	25m§	1.4m	50mΔ	67			5C		F108	TO3
22▼	LM220K05	5.0 ♦	2.0 %	2.0 %	25	1.0	20	1.5	30mt	250u	18	25m§	1.4m	50mΔ	67			28		F108	TO3
23▼	LM320K05	5.0 ♦	4.0 %	4.0 %	25	1.0	20	1.5	30mt	200u	18	50m§	1.4m	50mΔ	67			07		F108	TO3
24#	101N5	5.0 ♦			30	3.0	6.5	3.0		4.0m	1.0	2.0	1.5	6.0	20			08		F095	MP295
25#	101P5	5.0			30	3.0	6.5	3.0		4.0m	1.0	2.0	1.5	6.0	20			08		F095	MP295
26	HA2109	5.0	4.6	5.4	35	1.5		200m		20m	18	4.0m	200m	30m				5C			TO5
27	S5109DA	5.0	4.6	5.4	35	1.5		1.0		20m	18	4.0m	1.0	30m				5C			TO3
28	S5109DB	5.0	4.6	5.4	35	1.5		200m		20m	18	4.0m	200m	30m				5C			TO5
29#	SFC2109M	5.0	4.7	5.3	35	1.5		200m		20m	18	50mΔ	200m	30m				5C		F077	TO5
30#	SFC2109RM	5.0	4.7	5.3	35	1.5		1.0		20m	18	50m	1.0	30m				5C		F077	TO3
31#	SFC2209	5.0	4.7	5.3	35	1.5		500m		20m	18	50mΔ	200m	30m				28		F077	TO5
32#	SFC2209R	5.0	4.7	5.3	35	1.5		1.5		20m	18	50mΔ	1.0	30m				29		F077	TO3
33#	SFC2309	5.0	4.8	5.2	35	1.5		500m		20m	18	50mΔ	200m	30m				07		F077	TO5
34#	SFC2309R	5.0	4.8	5.2	35	1.5		1.5		20m	18	50mΔ	1.0	30m				07		F077	TO3
35▼#	SFC2805EC	5.0	4.8	5.2	35	2.0					18	100m§	1.5	100mΔ	70 †			07			Y220AB
36▼#	SFC2805RC	5.0	4.8	5.2	35	2.0					18	100m§	1.5	100mΔ	70 †			07			TO3
37	SG109K	5.0			35	1.5		1.0		20m	18	1.0	1.0	50mΔ				5C		F077	TO3
38	TVR109H	5.0			35		400m	500m		20m	18		0.4					5C		F077	TO5
39	TVR209H	5.0			35		400m	500m		20m	18		0.4					2C		F077	TO5
40	TVR309H	5.0			35		400m	500m		20m	18		0.4					0C		F077	TO5
41	SG109T	5.0			35	1.5	750m	200m	100kt	20m	18	1.0	495m	50mΔ				5C		F077	TO5
42	SG209T	5.0			35	1.5	750m	500m	100kt	20m	18	1.0	495m	50mΔ				28		F077	TO5
43	SG309T	5.0			35	1.5	750m	500m	100kt	20m	18	1.0	495m	50mΔ				07		F077	TO5
44	TVR109K	5.0			35		800m	1.5		20m	18		1.4					5C		F077	TO3
45	TVR209K	5.0			35		800m	1.5		20m	18		1.4					2C		F077	TO3
46	TVR309K	5.0			35		800m	1.5		20m	18		1.4					0C		F077	TO3
47	LA109H	5.0	4.7	5.3	35	1.5	2.0	200m		20m	18	50m	500m	50m				5C		F077	CN40
48	LA209H	5.0	4.7	5.3	35	1.5	2.0	200m		20m	18	50m	500m	50m				28		F077	CN40
49	LA309H	5.0	4.8	5.2	35	1.5	2.0	200m		20m	18	50m	500m	50m				07		F077	CN40
50	LM109H	5.0	4.7	5.3	35	1.4	2.0	200m			18	50mΔ	495m	50mΔ				5F		F077	TO5
51	LM209H	5.0	4.7	5.3	35	1.4	2.0	200m			18	50mΔ	495m	50mΔ				5F		F077	TO5
52	LM309H	5.0	4.8	5.2	35	1.5	2.0	200m			18	50mΔ	495m	50mΔ				0C		F077	TO5
53▼	MC7805CP	5.0	4.0 %	4.0 %	35	2.0	2.0	1.0	150mt	1.0mt	18	50m§	1.5	100mΔ	70 †			0C		F091	MP331
54#	MT109	5.0	4.7	5.3	35		2.0				18	50mΔ	495m	50mΔ				5C		F077	CN40
55#	MT209	5.0	4.7	5.3	35		2.0				18	50mΔ						2C		F077	CN40
56	LM109H883	5.0	4.7	5.3	35	1.5	8.0	500m		20m	18	4.0m	200m	30m				5C			TO5
57	LM109K883	5.0	4.7	5.3	35	1.5	8.0	1.5		20m	18	4.0m	1.0	30m				5C			TO3
58	N5309DA	5.0	4.8	5.4	35	1.5	8.0	1.5		20m	18	4.0m	1.0	30m				07			TO3
59	N5309DB	5.0	4.8	5.2	35	1.5	8.0	500m		20m	18	4.0m	200m	30m				07			TO5
60	SG209K	5.0			35	1.5	8.0	1.5		20m	18	1.0	1.0	50mΔ				29		F077	TO3
61	SG309K	5.0			35	1.5	8.0	1.5		20m	18	1.0	1.0	50mΔ				07		F077	TO3
62	uA7805-GH-393	5.0	4.8	5.2	35	2.0	15	2.2	30mt	1.3mt§	18	2.0	1.0	2.0	70 †			07		F091	Y220b
63	uA7805-GJ-393	5.0	4.8	5.2	35	2.0	15	2.2	30mt	1.3mt§	18	2.0	1.0	2.0	70 †			07		F091	TO3
64	LA109K	5.0	4.7	5.3	35	1.5	20	1.0		20m	18	50m	1.5	100m				5C		F077	TO3
65	LA209K	5.0	4.7	5.3	35	1.5	20	1.0		20m	18	50m	1.5	100m				28		F077	TO3
66	LA309K	5.0	4.8	5.2	35	1.5	20	1.0		20m	18	50m	1.5	100m				07		F077	TO3
67	LM109K	5.0	4.7	5.3	35	800m	20	1.0			18	50mΔ	1.0	100mΔ				5F		F077	TO3
68	LM209K	5.0	4.7	5.3	35	800m	20	1.0			18	50mΔ	1.0	100mΔ				5F		F077	TO3
69	LM309K	5.0	4.8	5.2	35	2.0	20	1.0			18	50mΔ	1.0	100mΔ				0C		F077	TO3
70▼	LM340K05	5.0	4.0 %	4.0 %	35	2.0	20	1.5	60m	1.0m	18	100m§	1.4	100mΔ	70 †			07		F110	TO3
71▼	LM340T05	5.0	4.0 %	4.0 %	35	2.0	20	1.5	60m	1.0m	18	100m§	1.4	100mΔ	70 †			07		F110	Y220
72	MLM109K	5.0			35		20	1.0			18	1.0	1.5	100mΔ				5F		F077	TO3
73	MLM209K	5.0			35		20	1.0			18	1.0	1.5	100mΔ				2F		F077	TO3
74	MLM309K	5.0			35		20	1.0			18	1.0	1.5	100mΔ				0C		F077	TO3
75	DE5S500	5.0	5.0	5.0	40			500m			1.0	10m	500m	10m				27			MP276a
76	NC520	5.0	1.0	7.0	40	1.5	500m	50m	50mt	20mΔ		40mΔ	100m	250m	66 †			5C		F023	CN17a
77	SN72405L	5.0	4.5	5.5	40	3.0	800m	150m	50mt	15mΔ	28	500m	49m	600m	70 †	5.0ut	5.0ut	07			TO99
78	SN72405P	5.0	4.5	5.5	40	3.0	800m	150m	50mt	15mΔ	28	500m	49m	600m	70 †	5.0ut	5.0ut	07			MP161
79	809V5	5.0			40	2.0	1.6	1.0	1.0	60mΔ§		30m	500m	1.5	34			5C			MP34e
80	855V5	5.0 ♦			40	4.0	1.6	500m	10k	1.8m	900m	100m	500m	100m	50	5.0u	5.0u	5C		F014	MP34b
81	859V5	5.0 ♦			40	2.0	1.6	1.0	1.0	60mΔ§		30m	500m	1.5	34			5C			MP34e
82	805V5	5.0			40	4.0	1.8	500m	10k	1.8m	9.0	100m	500m	100m	50	5.0u	5.0u	5C		F010	MP34
83	RE5S500	5.0			40	1.0	3.0	500m	100m	1.0m	1.0	10m	500m	10m	80 †			27			MP276
84▼	VR03-05AA	5.0			40	3.5	70	5.0		15mΔ	95m	10m	5.0	200m	60			5C		F101	MP313
85▼	VR03-05AB	5.0	4.5	5.5	40	3.5	70	5.0		15mΔ	95m	10m	5.0	200m	60			5C		F101	MP313
86▼	MIVR42050-055	5.0			44		120	5.0		50mΔ	40	100m	5.0	200m	60			$F			TO3
87▼	MIVR42050-510	5.0			44		120	10		50mΔ	40	100m	10	200m	60			$F			TO3
88▼	MIVR42051-055	5.0 ♦			44		120	5.0		50mΔ	40	100m	5.0	200m	60			$F			TO3
89	838V5	5.0			45	3.5	1.6	500m	25m	10mΔ	1.0	10m	500m	10m	66	6.0ut	12ut	5C		F072a	MP156
90	828V5	5.0			45	3.5	1.8	500m	25m	10mΔ	1.0	10m	500m	10m	66	6.0ut	12ut	5C		F072	MP156
91▼	LM120H5.2	5.2 ♦	2.0 %	2.0 %	25	1.0	2.0	500m	30mt	250u	18	25m§	495m	50mΔ	67			5C		F108	TO5
92▼	LM220H5.2	5.2 ♦	2.0 %	2.0 %	25	1.0	2.0	500m	30mt	250u	18	25m§	495m	50mΔ	67			28		F108	TO5
93▼	LM320H5.2	5.2 ♦	3.8 %	3.8 %	25	1.0	2.0	500m	30mt	200u	18	50m§	495m	50mΔ	67			07		F108	TO5
94▼	LM120K5.2	5.2 ♦	2.0 %	2.0 %	25	1.0	20	1.5	30mt	250u	18	25m§	1.4m	50mΔ	67			5C		F108	TO3
95▼	LM220K5.2	5.2 ♦	2.0 %	2.0 %	25	1.0	20	1.5	30mt	250u	18	25m§	1.4m	50mΔ	67			28		F108	TO3
96▼	LM320K5.2	5.2 ♦	3.8 %	3.8 %	25	1.0	20	1.5	30mt	200u	18	50m§	1.4m	50mΔ	67			07		F108	TO3
97	BHN0002	5.5	8.0	30	40		21		100m	40mΔ				500m	40			3A		Z129	MP218
98	BN4101	6.0				10 *	15	1.0		100mΔ				2.5				3C		F058	CN32a
99	BN4000	6.0				10 *	25	1.0	250m	40mΔ		2.0		2.0				3C		F056	CN32
100	BN4004§	6.0					25	1.0	250m	40mΔ		1.0		1.0				3C		F057	CN32
101	PC521	6.0			28		500m	200m	50mt	1.0m	2.0	2.0	100m	200m	34			5C		F023	FP7
102	PC523	6.0 ♦			28		500m	200m	50mt	1.0m	2.0	2.0	100m	200m	34			5C		F024	FP7
103▼#	SFC2806EC	6.0	5.7	6.2	35	2.0					17	120m§	1.5	120mΔ	65 †			07			Y220AB
104▼#	SFC2806RC	6.0	5.7	6.2	35	2.0					17	120m§	1.5	120mΔ	65 †			07			TO3
105▼	MC7806CP	6.0	4.2 %	4.2 %	35	2.0	2.0	1.0	35mt	1.0mt	17	60m§	1.5	120mΔ	65 †			0C		F091	MP331
106	uA7806-GH-393	6.0	5.7	6.2	35	2.0	15	2.2	35mt	1.0mt§	17	2.0	1.5	2.0	65 †			07		F091	Y220b
107	uA7806-GJ-393	6.0	5.7	6.2	35	2.0	15	2.2	35mt	1.0mt§	17	2.0	1.5	2.0	65 †			07		F091	TO3
108▼	LM340K06	6.0	4.1 %	4.1 %	35	2.0	20	1.5	80m	1.2m	17	120m§	1.4	120mΔ	65 †			07		F110	TO3
109▼	LM340T06	6.0	4.1 %	4.1 %	35	2.0	20	1.5	80m	1.2m	17	120m§	1.4	120mΔ	65 †			07		F110	Y220
110	NC521	6.0	1.0	7.0	40	1.5	500m	200m	50mt	20mΔ		40mΔ	100m	250m	66 †			5C		F023	CN17a

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	[4] TYPE No.	[1] NOM. OUTPUT VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	HIGH (V)	[2] MAX INPUT LINE VOLT V	MIN OUT/ IN DIFF. (ΔV)	[3] MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	@LOAD CHG. (s)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1	NC523	6.0 ♦	1.0	7.0	40	1.5	500m	200m	50m†	20mΔ		40mΔ	100m	250m	66 †			5C	F024	CN17a
2	SN72406L	6.0	5.4	6.6	40	3.0	800m	150m	50m†	15mΔ	28	500m	49m	600m	70 †	5.0u†	5.0u†	07		TO99
3	SN72406P	6.0	5.4	6.6	40	3.0	800m	150m	50m†	15mΔ	28	500m	49m	600m	70 †	5.0u†	5.0u†	07		MP161
4	809V6	6.0			40	2.0	1.6	1.0	1.0	60mΔ§		30m	500m	1.5	34			5C		MP34e
5	855V6	6.0 ♦			40	4.0	1.6	500m	10k	1.8m	900m	100m	500m	100m	50	5.0u	5.0u	5C	F014	MP34b
6	856Δ	6.0 ♦	3.0	9.0	40	4.0	1.6	500m	10k	1.8m	.90	100m	500m	10m	50	5.0u	5.0u	5C	F015	MP34c
7	859V6	6.0 ♦			40	2.0	1.6	1.0	1.0	60mΔ§		30m	500m	1.5	34			5C		MP34e
8	805V6	6.0			40	4.0	1.8	500m	10k	1.8m	10	100m	500m	100m	50	5.0u	5.0u	5C	F010	MP34
9	806%	6.0	3.0	9.0	40	4.0	1.8	500m	10k	1.8m	9.0	.10	500m	.10	50	5.0u	5.0u	5C	F011	MP34a
10▼	MIVR42050-810	6.0			44		120	10		50mΔ	40	100m	10	200m	60			9F		TO3
11▼	MIVR42051-065	6.0 ♦			44		120	5.0		50mΔ	40	100m	5.0	200m	60			9F		TO3
12	838V6	6.0			45	3.5	1.6	500m	25m	10mΔ	1.0	10m	500m	10m	66	6.0u†	12u†	5C	F072a	MP156
13	828V6	6.0			45	3.5	1.8	500m	25m	10mΔ	1.0	10m	500m	10m	66	6.0u†	12u†	5C	F072	MP156
14	BHN0001	6.4	4.8	8.0	40		21		100m	40mΔ				500m	40			3A	Z129	MP218
15#	S1001	6.5 ♦	4.0	9.0	40	2.2	2.5	250m	20m	50mΔ		12mΔ			63			28	F086	MP232
16#	S1002	6.5 ♦	4.0	4.0	40	2.2	2.5	250m	20m	50mΔ		12mΔ			63			28	F086	MP232
17#	S1007	6.5 ♦	4.0	9.0	40	3.1	3.0	500m	20m	50mΔ		16mΔ			63			28	F086	MP233
18#	S1008	6.5 ♦	4.0	9.0	40	3.1	3.0	500m	20m	50mΔ		16mΔ			63			28	F086	MP233
19#	S1013	7.0 ♦	4.0	10	40	3.0	10	2.0	5.0m	50mΔ		16mΔ			63			28	F086	MP234
20#	S1014	7.0 ♦	4.0	10	40	3.0	10	2.0	5.0m	50mΔ		16mΔ			63			28	F086	MP234
21#	S1021	7.0 ♦	4.0	10	40	2.7	25	5.0	5.0m	30mΔ		16mΔ			63			2B	F086	MP235
22#	S1022	7.0 ♦	4.0	10	40	2.7	25	5.0	5.0m	30mΔ		16mΔ			63			2B	F086	MP235
23▼	MIVR42050-710	7.0			44		120	10		50mΔ	40	100m	10	200m	60			9F		TO3
24▼	MIVR42051-075	7.0 ♦			44		120	5.0		50mΔ	40	100m	5.0	200m	60			9F		TO3
25▼#	SFC2808EC	8.0	7.7	8.3	35	2.0					11	160m§	1.5	160mΔ	62 †			07		Y220AB
26▼#	SFC2808RC	8.0	7.7	8.3	35	2.0					11	160m§	1.5	160mΔ	62 †			07		TO3
27▼	MC7808CP	8.0	3.8 %	3.8 %	35	2.0	2.0	1.0	40m†	1.0m†	15	80m§	1.5	160mΔ	62 †			0C	F091	MP331
28	uA7808-GH-393	8.0	7.7	8.3	35	2.5	15	2.2	40m†	1.0m†§	14	2.0	1.5	2.0	62 †			07	F091	Y220b
29	uA7808-GJ-393	8.0	7.7	8.3	35	2.5	15	2.2	40m†	1.0m†§	14	2.0	1.5	2.0	62 †			07	F091	TO3
30▼	LM340K08	8.0	3.7 %	3.7 %	35	2.0	20	1.5	100m	2.0m	14	160m§	1.4	160mΔ	62 †			07	F110	TO3
31▼	LM340T08	8.0	3.7 %	3.7 %	35	2.0	20	1.5	100m	2.0m	14	160m§	1.4	160mΔ	62 †			07	F110	Y220
32▼	MIVR42050-810	8.0			44		120	10		50mΔ	40	100m	10	200m	60			9F		TO3
33▼	MIVR42051-085	8.0 ♦			44		120	5.0		50mΔ	40	100m	5.0	200m	60			9F		TO3
34#	TBA435AX5	8.5	8.1	8.9	20	11 *	750m	100u	100m†	3.0m†Δ		600mΔ		1.0 Δ	46			07	F078	TO39
35	BN4005§	9.0					25	1.0	250m	40mΔ		1.0		1.0				3C	F057	CN32
36#	101N9	9.0 ♦			34	3.0	6.5	3.0		7.0m	1.0	1.0	1.5	3.0	20			08	F095	MP295
37#	101P9	9.0			34	3.0	6.5	3.0		7.0m	1.0	1.0	1.5	3.0	20			08	F095	MP295
38	SN72409L	9.0	8.1	9.9	40	3.0	800m	150m	50m†	15mΔ	25	500m	49m	600m	70 †	5.0u†	5.0u†	07		TO99
39	SN72409P	9.0	8.1	9.9	40	3.0	800m	150m	50m†	15mΔ	25	500m	49m	600m	70 †	5.0u†	5.0u†	07		MP161
40	809V9	9.0			40	2.0	1.6	1.0	1.0	60mΔ§		30m	500m	1.5	34			5C		MP34e
41	851V9	9.0 ♦			40	4.0	1.6	500m	10k	4.2m	1.3	50m	500m	50m	60	5.0u	5.0u	5C	F012	MP34b
42	859V9	9.0 ♦			40	2.0	1.6	1.0	1.0	60mΔ§		30m	500m	1.5	34			5C		MP34e
43	801V9	9.0			40	4.0	1.8	500m	10k	4.2m	1.5	50m	500m	50m	60	5.0u	5.0u	5C	F005	MP34
44▼	MIVR42050-910	9.0			44		120	10		50mΔ	40	100m	10	200m	60			9F		TO3
45▼	MIVR42051-095	9.0 ♦			44		120	5.0		50mΔ	40	100m	5.0	200m	60			9F		TO3
46	838V9	9.0			45	3.5	1.6	500m	25m	10mΔ	1.0	10m	500m	10m	66	6.0u†	12u†	5C	F072a	MP156
47	828V9	9.0			45	3.5	1.8	500m	25m	10mΔ	1.0	10m	500m	10m	66	6.0u†	12u†	5C	F072	MP156
48	MC1460G	9.7	2.5	17	20	3.0	3.0	250m	100m	2.0m%		30mΔ	19m	2.0mΔ	62		50n	07	F042	CN10b
49	MC1460R	9.7	2.5	17	20	3.0	3.0	600m	100m	2.0m%		30mΔ	19m	2.0mΔ	62		50n	07	F042	CN30
50	MC1560G	9.7	2.5	17	20	2.7	3.0	250m	60m	2.0m%		15mΔ	19m	1.2mΔ	62		50n	5C	F042	CN10b
51	MC1560R	9.7	2.5	17	20	2.7	3.0	600m	60m	2.0m%		15mΔ	19m	1.2mΔ	62		50n	5C	F042	CN30
52	8900	10	0.0	10	20	3.0	1.0	100m	100m	4.0m	7.0	300m	100m	100m	80	10u	10u	58		MP5bk
53	770-501	10 §			23	21 *		20m	10m	200u	1.1	10m	20m	5.0m			2.0u	05		MP46
54	NC109T	10	4.0	16	24	20	600m	150m	50m		5.0	10	150m	500m	40 †			07	F036	CN18b
55▼	8901	10 §			30	3.0	500m	40m	3.0m	2.0u	1.0	10u	40m	100u				59		MP210
56♦	PVS10B	10	1.0m%	1.0m%	30	5.0	560m	10m	25m	5.0u	2.8	300u	10m	2.5m				07		MP239
57♦	PVS10BA	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	5.0u	2.8	100u	10m	500u				07		MP239a
58♦	PVS10BA-A	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	5.0u	2.8	100u	10m	500u				07		MP239a
59▼	PVS10BC	10	0.0	0.0	30	5.0	560m	10m	5.0m	5.0u	2.8	100u	10m	500u				07		MP326
60▼	PVS10BC-A	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	5.0u	2.8	100u	10m	500u				07		MP326
61♦	PVS10C	10	1.0m%	1.0m%	30	5.0	560m	10m	25m	5.0u	2.8	300u	10m	2.5u				07		MP239
62♦	PVS10CA	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	5.0u	2.8	100u	10m	500u				07		MP239a
63♦	PVS10CA-A	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	5.0u	2.8	100u	10m	500u				07		MP239a
64▼	PVS10CC	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	5.0u	2.8	100u	10m	500u				07		MP326
65▼	PVS10CC-A	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	5.0u	2.8	100u	10m	500u				07		MP326
66♦	PVS10G	10	1.0m%	1.0m%	30	5.0	560m	10m	25m	10u	2.8	300u	10m	2.5m				07		MP239
67♦	PVS10GA	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	10u	2.8	100u	10m	500u				07		MP239a
68♦	PVS10GA-A	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	10u	2.8	100u	10m	500u				07		MP239a
69▼	PVS10GC	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	10u	2.8	100u	10m	500u				07		MP326
70▼	PVS10GC-A	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	10u	2.8	100u	10m	500u				07		MP326
71▼	PVS10HA	10 ♦	5.0m%	5.0m%	30	5.0	560m	2.0m	5.0m	30u	2.8	100u	2.0m	500u				07		MP239a
72▼	PVS10HA-A	10	5.0m%	5.0m%	30	5.0	560m	2.0m	5.0m	30u	2.8	100u	2.0m	500u				07		MP239A
73▼	PVS10HB	10	5.0m%	5.0m%	30	5.0	560m	2.0m	25m	30u	2.8	300u	2.0m	2.5m				07		MP239
74▼	PVS10HC	10	5.0m%	5.0m%	30	5.0	560m	2.0m	5.0m	30u	2.8	100u	2.0m	500u				07		MP326
75▼	PVS10HC-A	10	5.0m%	5.0m%	30	5.0	560m	2.0m	5.0m	30u	2.8	100u	2.0m	500u				07		MP326
76▼	PVS10HD	10	5.0m%	5.0m%	30	5.0	560m	2.0m	100m	30u	2.8	300u	2.0m	2.0m				07		MP327
77▼	PVS10JA	10	10m%	10m%	30	5.0	560m	10m	5.0m	50u	2.8	100u	10m	500u				29		MP239a
78▼	PVS10JA-A	10	10m%	10m%	30	5.0	560m	10m	5.0m	50u	2.8	100u	10m	500u				29		MP239a
79▼	PVS10JB	10	10m%	10m%	30	5.0	560m	10m	25m	50u	2.8	300u	10m	2.5m				29		MP239
80▼	PVS10JC	10	10m%	10m%	30	5.0	560m	10m	5.0m	50u	2.8	100u	10m	500u				29		MP326
81▼	PVS10JC-A	10	10m%	10m%	30	5.0	560m	10m	5.0m	50u	2.8	100u	10m	500u				29		MP326
82▼	PVS10KA	10	10m%	10m%	30	5.0	560m	2.0m	5.0m	50u	2.8	100u	2.0m	500u				29		MP239a
83▼	PVS10KA-A	10	10m%	10m%	30	5.0	560m	2.0m	5.0m	50u	2.8	100u	2.0m	500u				29		MP239a
84▼	PVS10KB	10	10m%	10m%	30	5.0	560m	2.0m	25m	50u	2.8	300u	2.0m	2.5m				29		MP239
85▼	PVS10KC	10	10m%	10m%	30	5.0	560m	2.0m	5.0m	50u	2.8	100u	2.0m	500u				29		MP326
86▼	PVS10KC-A	10	10m%	10m%	30	5.0	560m	2.0m	5.0m	50u	2.8	100u	2.0m	500u				29		MP326
87▼	PVS10KD	10	10m%	10m%	30	5.0	560m	2.0m	100m	50u	2.8	300u	2.0m	2.0m				29		MP327
88▼	PVS10MA	10	20m%	20m%	30	5.0	560m	10m	5.0m	100u	2.8	100u	10m	500u				5B		MP239a
89▼	PVS10MA-A	10	20m%	20m%	30	5.0	560m	10m	5.0m	100u	2.8	100u	10m	500u				5B		MP239a
90▼	PVS10MB	10	20m%	20m%	30	5.0	560m	10m	25m	100u	2.8	300u	10m	2.5m				5B		MP239
91▼	PVS10MC	10	20m%	20m%	30	5.0	560m	10m	5.0m	100u	2.8	100u	10m	500u				5B		MP326
92▼	PVS10MC-A	10	2.0m%	20m%	30	5.0	560m	10m	5.0m	100u	2.8	100u	10m	500u				5B		MP326
93▼	PVS10NA	10	20m%	20m%	30	5.0	560m	2.0m	5.0m	100u	2.8	100u	2.0m	500u				5B		MP239a
94▼	PVS10NA-A	10	20m%	20m%	30	5.0	560m	2.0m	5.0m	100u	2.8	100u	2.0m	500u				5B		MP239a
95▼	PVS10NB	10	20m%	20m%	30	5.0	560m	2.0m	25m	100u	2.8	300u	2.0m	2.5m				5B		MP239
96▼	PVS10NC	10	20m%	20m%	30	5.0	560m	2.0m	5.0m	100u	2.8	100u	2.0m	500u				5B		MP326
97▼	PVS10NC-A	10	20m%	20m%	30	5.0	560m	2.0m	5.0m	100u	2.8	100u	2.0m	500u				5B		MP326
98▼	PVS10ND	10	20m%	20m%	30	5.0	560m	2.0m	100m	100u	2.8	300u	2.0m	2.0m				5B		MP327
99♦	PVSN10B	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	25m	5.0u	2.8	300u	10m	2.5m				07		MP239
100▼	PVSN10BA	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	5.0u	2.8	100u	10m	500u				07		MP239a
101▼	PVSN10BA-A	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	5.0u	2.8	100u	10m	500u				07		MP239a
102▼	PVSN10BC	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	5.0u	2.8	100u	10m	500u				07		MP326
103▼	PVSN10BC-A	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	5.0u	2.8	100u	10m	500u				07		MP326
104♦	PVSN10C	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	25m	5.0u	2.8	300u	10m	2.5m				07		MP239
105▼	PVSN10CA	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	5.0u	2.8	100u	10m	500u				07		MP239a
106▼	PVSN10CA-A	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	5.0u	2.8	100u	10m	500u				07		MP239a
107▼	PVSN10CC	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	5.0u	2.8	100u	10m	500u				07		MP326
108▼	PVSN10CC-A	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	5.0u	2.8	100u	10m	500u				07		MP326
109♦	PVSN10G	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	25m	10u	2.8	300u	10m	2.5m				07		MP239
110▼	PVSN10GA	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	10u	2.8	100u	10m	500u				07		MP239a

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	[4] TYPE No.	[1] NOM. OUTPUT VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	HIGH (V)	[2] MAX INPUT LINE VOLT |V|	MIN OUT/ IN DIFF. (ΔV)	[3] MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	MAX TRANSIENT RECOVERY @LOAD CHG. (s)	T C E O M D P E -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO
1▼	PVSN10GA-A	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	10u	2.8	100u	10m	500u				07		MP239a
2▼	PVSN10GC	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	10u	2.8	100u	10m	500u				07		MP326
3▼	PVSN10GC-A	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	10u	2.8	100u	10m	500u				07		MP326
4▼	PVSN10HA	10 ♦	5.0m%	5.0m%	30	5.0	560m	2.0m	5.0m	30u	2.8	100u	2.0m	500u				07		MP239A
5▼	PVSN10HA-A	10 ♦	5.0m%	5.0m%	30	5.0	560m	2.0m	5.0m	30u	2.8	100u	2.0m	500u				07		MP239A
6▼	PVSN10HB	10 ♦	5.0m%	5.0m%	30	5.0	560m	2.0m	25m	30u	2.8	300u	2.0m	2.5m				07		MP239
7▼	PVSN10HC	10 ♦	5.0m%	5.0m%	30	5.0	560m	2.0m	5.0m	30u	2.8	100u	2.0m	500u				07		MP326
8▼	PVSN10HC-A	10 ♦	5.0m%	5.0m%	30	5.0	560m	2.0m	5.0m	30u	2.8	100u	2.0m	500u				07		MP326
9▼	PVSN10HD	10 ♦	5.0m%	5.0m%	30	5.0	560m	2.0m	100m	30u	2.8	300u	2.0m	2.0m				07		MP327
10▼	PVSN10JA	10 ♦	10m%	10m%	30	5.0	560m	10m	5.0m	50u	2.8	100u	10m	500u				29		MP239a
11▼	PVSN10JA-A	10 ♦	10m%	10m%	30	5.0	560m	10m	5.0m	50u	2.8	100u	10m	500u				29		MP239a
12▼	PVSN10JB	10 ♦	10m%	10m%	30	5.0	560m	10m	25m	50u	2.8	300u	10m	2.5m				29		MP239
13▼	PVSN10JC	10 ♦	10m%	10m%	30	5.0	560m	10m	5.0m	50u	2.8	100u	10m	500u				29		MP326
14▼	PVSN10JC-A	10 ♦	10m%	10m%	30	5.0	560m	10m	5.0m	50u	2.8	100u	10m	500u				29		MP326
15▼	PVSN10KA	10 ♦	10m%	10m%	30	5.0	560m	2.0m	5.0m	50u	2.8	100u	2.0m	500u				29		MP239a
16▼	PVSN10KA-A	10 ♦	10m%	10m%	30	5.0	560m	2.0m	5.0m	50u	2.8	100u	2.0m	500u				29		MP239a
17▼	PVSN10KB	10 ♦	10m%	10m%	30	5.0	560m	2.0m	25m	50u	2.8	300u	2.0m	2.5m				29		MP239
18▼	PVSN10KC	10 ♦	10m%	10m%	30	5.0	560m	2.0m	5.0m	50u	2.8	100u	2.0m	500u				29		MP326
19▼	PVSN10KC-A	10 ♦	10m%	10m%	30	5.0	560m	2.0m	5.0m	50u	2.8	100u	2.0m	500u				29		MP326
20▼	PVSN10KD	10 ♦	10m%	10m%	30	5.0	560m	2.0m	100m	50u	2.8	300u	2.0m	2.0m				29		MP327
21▼	PVSN10MA	10 ♦	20m%	20m%	30	5.0	560m	10m	5.0m	100u	2.8	100u	10m	500u				5B		MP239a
22▼	PVSN10MA-A	10 ♦	20m%	20m%	30	5.0	560m	10m	5.0m	100u	2.8	100u	10m	500u				5B		MP239a
23▼	PVSN10MB	10 ♦	20m%	20m%	30	5.0	560m	10m	25m	100u	2.8	300u	10m	2.5m				5B		MP239
24▼	PVSN10MC	10 ♦	20m%	20m%	30	5.0	560m	10m	5.0m	100u	2.8	100u	10m	500u				5B		MP326
25▼	PVSN10MC-A	10 ♦	20m%	20m%	30	5.0	560m	10m	5.0m	100u	2.8	100u	10m	500u				5B		MP326
26▼	PVSN10NA	10 ♦	20m%	20m%	30	5.0	560m	2.0m	5.0m	100u	2.8	100u	2.0m	500u				5B		MP239a
27▼	PVSN10NA-A	10 ♦	20m%	20m%	30	5.0	560m	2.0m	5.0m	100u	2.8	100u	2.0m	500u				5B		MP239a
28▼	PVSN10NB	10 ♦	20m%	20m%	30	5.0	560m	2.0m	25m	100u	2.8	300u	2.0m	2.5m				5B		MP239
29▼	PVSN10NC	10 ♦	20m%	20m%	30	5.0	560m	2.0m	5.0m	100u	2.8	100u	2.0m	500u				5B		MP326
30▼	PVSN10NC-A	10 ♦	20m%	20m%	30	5.0	560m	2.0m	5.0m	100u	2.8	100u	2.0m	500u				5B		MP326
31▼	PVSN10ND	10	20m%	20m%	30	5.0	560m	2.0m	100m	100u	2.8	300u	2.0m	2.0m				5B		MP327
32▼	MIVR42050-109	10			44		120	9.0		50mΔ	40	100m	9.0	200m	60			$F		TO3
33▼	MIVR42051-105	10 ♦			44		120	5.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
34#	MT105-883	10	9.0	11	50		500m				31	870m	10m	50m				5E		CN1c
35▼	MFC4063A	11	3.7	19	22	3.0	1.0	200m			6.0	30mΔ	49m	200m				17	F102	MP223
36▼	MFC4064A	11	3.6	19	22	3.0	1.0	200m			6.0	60mΔ	49m	400m				17	F102	MP223
37▼	MFC6033A	11	3.7	19	22	3.0	1.0	200m			6.0	30mΔ	49m	200m*				17	F103	MP223
38▼	MFC6034A	11	3.6	19	22	3.0	1.0	200m			6.0	60mΔ	49m	400m*				17	F103	MP223
39#	SFC2300	11	2.0	20	30	8.0 *	300m			300u%		100mΔ	12m	100m				07	F001	TO99
40	SG300N	11	2.0	20	30	3.0	400m§	40m		1.0 %§		200mΔ		500m		3.0u		07	F001	MP39a
41	SG300T	11	2.0	20	30	3.0	680m§	40m		1.0 %§		200mΔ		500m		3.0u		07	F001	TO99
42	LA300H	11	2.0	20	35	3.0	400m	25m				200mΔ	12m	500m		3.0u	3.0u	07	F001	CN1c
43	LM300H	11	2.0	20	35	3.0	500m			2.0 %		200mΔ	12m	500m		5.0u†	5.0u†	07	F001	TO99
44	BN4102	12				16 *	15	1.0		100mΔ				2.0				3C	F058	CN32a
45	BN4001	12				16 *	25	1.0	250m	40mΔ		1.0		1.0				3C	F056	CN32
46	BN4006§	12					25	1.0	250m	40mΔ		1.0		1.0				3C	F057	CN32
47	NC562	12	10	20	13		1.2	800m	100m		15	10	100m		50			5C	F025	CN2a
48	NC562B	12	10	20	13		1.2	800m	100m		15	10	100m		50			5C	F025	CN2a
49#	TBA625BX5	12	11	12	27	14 *	750m	120u	100m†	3.0m†Δ		500mΔ		1.0 Δ	46			07	F078	TO39
50#	L036T1	12	11	12	27	14 *	3.2	500m	20m†	3.0mΔ†		500m		1.0	46			07	F078	TO3
51#	TBA325B	12	11	12	27	14 *	3.2	500m	20m†	3.0m†Δ		500m		1.0	46			07	F078	TO3
52	PC501	12			28		500m	200m	250m	1.0m	2.0	1.0	100m	250m	30			5C	F027a	FP10
53	PC503	12 ♦			28		500m	200m	250m	1.0m	2.0	1.0	100m	250m	30			5C	F027	FP10
54▼#	SFC2812EC	12	11	12	35	2.0					15	240m§	1.5	250mΔ	61 †			07		Y220AB
55▼#	SFC2812RC	12	11	12	35	2.0					15	240m§	1.5	240mΔ	61 †			07		TO3
56▼	LM120H12	12 ♦	2.5 %	2.5 %	35	1.0	2.0	200m	30m†	200u	18	10m§	195m	25mΔ	80			5C	F109	TO5
57▼	LM220H12	12 ♦	2.5 %	2.5 %	35	1.0	2.0	200m	30m†	200u	18	10m§	195m	25mΔ	80			28	F109	TO5
58▼	LM320H12	12 ♦	3.3 %	3.3 %	35	1.0	2.0	200m	30m†	100u	18	20m§	195m	40mΔ	80			07	F109	TO5
59▼	MC7812CP	12	4.2 %	4.2 %	35	2.0	2.0	1.0	75m†	1.0m†	15	120m§	1.5	24mΔ	61 †			0C	F091	MP331
60	844V12	12 §	12	20	35	3.5	3.0	300m	1.5m	1.2m	1.0	5.0m	300m	5.0m	48			5C	F073	CN2e
61#	SI3120E	12			35	4.0	3.0	1.0	200m	2.5m	6.0	1.3	1.0	1.7	35				F082	TO3
62	uA7812-GH-393	12	12	13	35	2.5	15	2.2	75m†	2.0m†§	15	2.0	1.5	2.0	61 †			07	F091	Y220b
63	uA7812-GJ-393	12	12	13	35	2.5	15	2.2	75m†	2.0m†§	15	2.0	1.5	2.0	61 †			07	F091	TO3
64▼	LM120K12	12 ♦	2.5 %	2.5 %	35	1.0	20	1.0	30m†	200u	18	10m§	995m	80mΔ	80			5C	F109	TO3
65▼	LM220K12	12 ♦	2.5 %	2.5 %	35	1.0	20	1.0	30m†	200u	18	10m§	995m	80mΔ	80			28	F109	TO3
66▼	LM340K12	12	4.1 %	4.1 %	35	2.0	20	1.5	160m	2.5m	15	240m§	1.4	240mΔ	61 †			07	F110	TO3
67▼	LM340T12	12	4.1 %	4.1 %	35	2.0	20	1.5	160m	2.5m	15	240m§	1.4	240mΔ	61 †			07	F110	Y220
68#	101N12	12 ♦			37	3.0	6.5	3.0		10m	1.0	1.0	1.5	3.0	20			08	F095	MP295
69#	101P12	12			37	3.0	6.5	3.0		10m	1.0	1.0	1.5	3.0	20			08	F095	MP295
70	DE12D100	12	12	12	40			100m			1.0	10m	100m	10m				27		MP275a
71	NC511	12	8.0	38	40	2.0	500m	250m	250m	10mΔ		100mΔ	100m	250m	40 †			5C	F018	CN17a
72	NC513	12 ♦	8.0	38	40	2.0	500m	250m	250m	10mΔ		100mΔ	100m	250m	40 †			5C	F019	CN17a
73	PC511	12	8.0	38	40	2.0	500m	250m	250m	10mΔ		100mΔ	100m	250m	40 †			5C	F018	FP7
74	PC513	12 ♦	8.0	38	40	2.0	500m	250m	250m	10mΔ		100mΔ	100m	250m	40 †			5C	F019	FP7
75	SN72412L	12	10	13	40	3.0	800m	150m	60m†	15mΔ	20	500m	49m	600m	70 †	5.0u†	5.0u†	07		TO99
76	SN72412P	12	10	13	40	3.0	800m	150m	60m†	15mΔ	20	500m	49m	600m	70 †	5.0u†	5.0u†	07		MP161
77	NC501	12	8.0	38	40	2.0	1.2	250m	250m	10mΔ		100mΔ	100m	250m	40 †			5C		CN34
78	NC503	12 ♦	8.0	38	40	2.0	1.2	250m	250m	10mΔ		100mΔ	100m	250m	40 †			5C		CN34
79	809V12	12			40	2.0	1.6	1.0	1.0	60mΔ§		30m	500m	1.5	34			5C		MP34e
80	851V12	12 ♦			40	4.0	1.6	500m	10k	4.2m	1.6	50m	500m	50m	60	5.0u	5.0u	5C	F012	MP34b
81	859	12	5.0	28	40	2.0	1.6	750m	1.0	11m		.30	1.0m	3.0m	34			5C		
82	859V12	12 ♦			40	2.0	1.6	1.0	1.0	60mΔ§		30m	500m	1.5	34			5C		MP34e
83	801V12	12			40	4.0	1.8	500m	10k	4.2m	1.8	50m	500m	50m	60	5.0u	5.0u	5C	F005	MP34
84#	S1003	12 ♦	8.0	17	40	2.2	2.5	250m	20m	30mΔ		6.2mΔ			63			28	F086	MP232
85#	S1004	12 ♦	8.0	17	40	2.2	2.5	250m	20m	30mΔ		6.2mΔ			63			28	F086	MP232
86	RE12D100	12	12	12	40	1.0	3.0	100m	100m	2.4m	1.0	10m	100m	10m	80 †			27		MP275
87#	S1009	12 ♦	8.0	16	40	3.1	3.0	500m	20m	30mΔ		6.2mΔ			63			28	F086	MP233
88#	S1010	12 ♦	8.0	16	40	3.1	3.0	500m	20m	30mΔ		6.2mΔ			63			28	F086	MP233
89#	S1015	12 ♦	8.0	16	40	3.0	10	2.0	5.0m	30mΔ		5.0mΔ			63			28	F086	MP234
90#	S1016	12 ♦	8.0	16	40	3.0	10	2.0	5.0m	30mΔ		5.0mΔ			63			28	F086	MP234
91#	S1023	12 ♦	8.0	16	40	2.7	25	5.0	5.0m	30mΔ		6.2mΔ			63			2B	F086	MP235
92#	S1024	12 ♦	8.0	16	40	2.7	25	5.0	5.0m	30mΔ		6.2mΔ			63			2B	F086	MP235
93▼#	SI3121S	12			40	4.0	25	1.5	100m	1.5m	6.0	2.0	1.0	1.6	60				F105	MP219
94▼	VR03-12AA	12			40	3.5	70	5.0		15mΔ	60m	10m	5.0	200m	60			5C	F101	MP313
95▼	VR03-12AB	12	10	13	40	3.5	70	5.0		15mΔ	60m	10m	5.0	200m	60			5C	F101	MP313
96▼	MIVR42050-128	12			44		120	8.0		50mΔ	40	100m	8.0	200m	60			$F		TO3
97▼	MIVR42051-124	12 ♦			44		120	4.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
98	838V12	12			45	3.5	1.6	500m	25m	10mΔ	1.0	10m	500m	10m	66	6.0u†	12u†	5C	F072a	MP156
99	828V12	12			45	3.5	1.8	500m	25m	10mΔ	1.0	10m	500m	10m	66	6.0u†	12u†	5C	F072	MP156
100▼	LM320K12	12 ♦	3.3 %	3.3 %	-35	1.0	20	1.0	30m†	100u	18	20m§	995m	80mΔ	80			07	F109	TO3
101	MN211	14	8.0	20	30	4.0	400m	50m		5.0mΔ		1.0mΔ		2.0mΔ				5C	F089	FP7e
102	MN212	14	8.0	20	30	4.0	400m	50m		10mΔ		1.0mΔ		2.0mΔ				5C	F089	FP7e
103	CA3085	14	1.8	27	30	4.0	630m		1.1	3.5m†Δ		150mΔ	99m	100mΔ	50 †	800n	3.0u	5C	F088	Δ002AL
104▼	CA3085H	14	1.6	27	30	4.0	630m		1.1	3.5mΔ†		150mΔ	99m	100mΔ	50 †	800n	3.0u	5C	F088	FC16w
105▼	CA3085S	14	1.6	27	30	4.0	630m		1.1	3.5mΔ†		150mΔ	99m	100mΔ	50 †	800n	3.0u	5C	F088	
106▼	LM305D	14	4.5	30	40	3.0	500m	12m			5.0	60mΔ	12m	50m		5.0u	5.0u	07	F003	MP322
107▼	LM305P	14	4.5	30	40	3.0	500m	12m			5.0	60mΔ	12m	50m		5.0u	5.0u	07	F003	MP39k
108▼	MIVR42050-148	14			44		120	8.0		50mΔ	40	100m	8.0	200m	60			$F		TO3
109▼	MIVR42051-144	14 ♦			44		120	4.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
110	VR401	15	15	15	18			3.0m	100m	10mΔ			100m	500m	60					MP14u

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	4 TYPE No.	1 ADJUSTABLE OUTPUT NOM. VOLT OUT (V)	VOLT. RANGE LOW (V)	HIGH (V)	2 MAX INPUT LINE VOLT V	MIN OUT/ IN DIFF. (ΔV)	3 MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG VOLT CHG. (ΔV)	OUTPUT VOLT. CHG. (%)	MAX LOAD REG CUR. CHG. (ΔA)	OUT VOLT. CHG. (%)	MAX TRANSIENT RECOVERY MIN RIPPL REJ. (dB)	@LINE CHG. (s)	@LOAD CHG. (s)	T C M P	E O D E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1▼	A802	15	10m%	10m%	20	2.0		5.0m	10m		8.0		3.0							F107	MP5ce
2▼	A803	15	10m%	10m%	20	2.0		5.0m	10m		8.0		3.0							F107	MP5ce
3	2103	15	13	17	25	1.5	300m	50m		1.0 %	3.0	100m§	50m	50mΔ	26				0A	F037	TO77
4	2104	15	13	17	25	1.5	300m	50m		1.0 %	3.0	100m§	50m	50mΔ	26				0A	F038	TO12
5	SG3501T	15 §	8.0	23	25	2.0	680m	100m			33	67m	50m	10mΔ					07	F076	TO100
6	SG3501D	15 §	8.0	23	25	2.0	1.0	100m			33	67m	50m	10mΔ					07	F076	TO116
7	SG3502D	15 §	10	23	25	2.0	1.0	100m			10	100m	50m	100m	75				07	F076	TO116
8	SG3502N	15 §	10	23	25	2.0	1.0	100m			10	100m	50m	100m	75				07	F076	TO116
9#	TBA625CX5	15	14	15	27	17 *	750m	120u	100m†	3.0m†Δ		500mΔ		1.0 Δ	46				07	F078	TO39
10#	L037T1	15	14	15	27	17 *	3.2	400m	27m†	3.0m†Δ		500m		1.0	46				07	F078	TO3
11#	TBA325C	15	14	15	27	17 *	3.2	400m	27m†	3.0m†Δ		500m		1.0	46				07	F078	TO3
12▼	RC4195DN	15 §	1.3 %	1.3 %	30	3.0	600m	100m		15mΔ	12	20m	100m	30mΔ	75				07	F104	MP189
13▼	RM4195DN	15 §	1.3 %	1.3 %	30	3.0	600m	100m		15mΔ	12	20m	100m	30mΔ	75				5C	F104	MP189
14	SG1501T	15 §	8.0	23	30	2.0	680m	100m			43	67m	50m	10mΔ					5C	F076	TO100
15	SG2501T	15 §	8.0	23	30	2.0	680m	100m			43	67m	50m	10mΔ					07	F076	TO100
16♦	MC1468G	15	14	20	30	2.0	800m	100m			12	10m§	50m	10mΔ	75 †				07	F098	CN10f
17♦	MC1568G	15	14	20	30	2.0	800m	100m			12	10m§	50m	10mΔ	75 †				5C	F098	CN10f
18▼	RC4195T	15 §	1.3 %	1.3 %	30	3.0	800m	100m		15mΔ	12	20m	100m	30mΔ	75				07	F104	TO99
19▼	RM4195T	15 §	1.3 %	1.3 %	30	3.0	800m	100m		15mΔ	12	20m	100m	30mΔ	75				5C	F104	TO99
20	TVR2002J	15	3.0	27	30	2.5	800m	200m	200m		1.0	100m	100m		34	100n	100n		07		TO116
21▼	TVR2002V	15	3.0	27	30	2.5	800m	200m	200m		1.0	100m	100m		34	100n	100n		07		TO100
22♦	MC1468L	15	8.0	20	30	2.0	1.0	100m			12	10m§	50m	10mΔ	75 †				07	F098b	TO116
23♦	MC1568L	15	8.0	20	30	2.0	1.0	100m			12	10m§	50m	10mΔ	75 †				5C	F098b	TO116
24	SG1501D	15 §	8.0	23	30	2.0	1.0	100m			43	67m	50m	10mΔ					5C	F076	TO116
25	SG1502D	15 §	10	28	30	2.0	1.0	100m			10	100m	50m	100m	75				5C	F076	TO116
26	SG2501D	15 §	8.0	23	30	2.0	1.0	100m			43	67m	50m	10mΔ					07	F076	TO116
27	SG2502D	15 §	10	28	30	2.0	1.0	100m			10	100m	50m	100m	75				07	F076	TO116
28	SG2502N	15 §	10	28	30	2.0	1.0	100m			10	100m	50m	100m	75				07	F076	TO116
29♦	MC1468R	15	14	20	30	2.0	2.4	100m			12	10m§	50m	10mΔ	75 †				07	F098a	CN30
30♦	MC1568R	15	14	20	30	2.0	2.4	100m			12	10m§	50m	10mΔ	75 †				5C	F098a	CN30
31▼	RC4195TK	15 §	1.3 %	1.3 %	30	3.0	2.4	100m		15mΔ	12	20m	100m	30mΔ	75				07	F104	TO66
32▼	RM4195TK	15 §	1.3 %	1.3 %	30	3.0	2.4	100m		15mΔ	12	20m	100m	30mΔ	75				5C	F104	TO66
33▼#	SI3560M	15	5.0	25	30	4.0	40	1.5	10m	3.0m	10	600m	1.5	800m	60					F106	CN45
34▼#	SFC2815EC	15	14	15	35	2.0					13	300m§	1.5	300mΔ	60 †				07		Y220AB
35▼#	SFC2815RC	15	14	15	35	2.0					13	300m§	1.5	300mΔ	60 †				07		TO3
36	RC4194D	15 §	0.0	32	35	3.0	900m	150m		2.0m%	23	20m	100m	1.0m	90 †				0C	F096	MP40
37▼	MC7815CP	15	4.0 %	4.0 %	35	2.0	2.0	1.0	95m†	1.0m†	12	150m§	1.5	300mΔ	60 †				0C	F091	MP331
38	844V15	15 §	12	20	35	3.5	3.0	300m	1.8m	1.5m	1.0	5.0m	300m	5.0m	46				5C	F073	CN2e
39	RC4194TK	15 §	0.0	32	35	3.0	3.0	250m		2.0m%	23	20m	200m	1.0m	90 †				0C	F096	CN30
40#	SI3150E	15			35	4.0	3.0	1.0	200m	3.0m	7.0	1.3	1.0	1.3	35					F082	TO3
41	uA7815-GH-393	15	14	16	35	2.5	15	2.2	95m†	2.0m†§	12	2.0	1.5	2.0	60 †				07	F091	Y220b
42	uA7815-GJ-393	15	14	16	35	2.5	15	2.2	95m†	2.0m†§	12	2.0	1.5	2.0	60 †				07	F091	TO3
43▼	LM340K15	15	4.0 %	4.0 %	35	2.0	20	1.5	200m	3.0m	12	300m§	1.4	300mΔ	60 †				07	F110	TO3
44▼	LM340T15	15	4.0 %	4.0 %	35	2.0	20	1.5	200m	3.0m	12	300m§	1.4	300mΔ	60 †				07	F110	Y220
45	DE15D100	15	15	15	40			100m			1.0	10m	100m	10m					27		MP275a
46	825CU	15			40	3.0	400m§	100m		20mΔ§		50mΔ	50m	50m	60 †	10u†	10u†		$A	F067	CN12
47	AMLM305F	15	4.5	30	40	3.0	500m				10	60m	12m	100m					07	F100	TO91
48	AMLM305H	15	4.5	30	40	3.0	500m				10	60m	12m	100m					07	F100	TO99
49	CMC5100	15 §	50m	30	40	2.5	500m§	15m		10mΔ		30mΔ	10m	50m	60 †	10u†	10u†		5C	F068	CN1a
50	LM304H	15 ♦	30	35m	40	2.0	500m			1.0 %	4.0	100m♦	20m	5.0mΔ	60				07	F002	TO100
51#	MT304	15 ♦	35m	30	40	2.0	500m			1.0 %	100m	100m	20m	5.0mΔ	46 †				07	F002	CN10e
52	NC531	15	8.0	38	40	2.0	500m	250m	500m	10mΔ		100mΔ	100m	250m	40 †				5C	F021	CN17a
53#	SFC2304	15 ♦	35m	30	40	2.0	500m§			1.0m%	4.0	100m♦	20m	5.0mΔ	60				07	F002	TO100
54	SG304T	15	35m	30	40	2.0	500m			1.0 %	4.0	100m	20m	5.0m	60				07	F002	TO100
55	MLM304G	15 ♦	35m	30	40	2.0	680m				5.0	100m	20m	5.0mΔ	60				07	F002	TO100
56	MLM305G	15	4.5	30	40	3.0	680m					60mΔ			47				07	F003	TO99
57	SN72415L	15	13	16	40	3.0	800m	150m	70m†	15mΔ	20	500m	49m	600m	70 †	5.0u†	5.0u†		07		TO99
58	SN72415P	15	13	16	40	3.0	800m	150m	70m†	15mΔ	20	500m	49m	600m	70 †	5.0u†	5.0u†		07		MP161
59	809V15	15			40	2.0	1.6	1.0	1.0	60mΔ§		30m	500m	1.5	34				5C		MP34e
60	851V15	15 ♦			40	4.0	1.6	500m	10k	4.2m	1.9	50m	500m	50m	60	5.0u	5.0u		5C	F012	MP34b
61	852	15 ♦	21	9.0	40	4.0	1.6	500m	10k	4.2m	1.3	50m	500m	50m	60	5.0u	5.0u		5C	F013	MP34c
62	859V15	15 ♦			40	2.0	1.6	1.0	1.0	60mΔ§		30m	500m	1.5	34				5C		MP34e
63	216	15	8.0	30	40	8.0	1.8	350m	100m	7.5m	1.0	5.0m	90m	13m	60				5H		CN2
64	226	15	8.0	37	40	2.5	1.8	200m	100m	10m	28	10m	90m	10m	76				5H		CN2
65	801V15	15			40	4.0	1.8	500m	10k	4.2m	2.1	50m	500m	50m	60	5.0u	5.0u		5C	F005	MP34
66	802%	15	9.0	21	40	4.0	1.8	500m	10k	4.2m	1.3	.05	500m	.05	60	5.0u	5.0u		5C	F006	MP34a
67	NC572	15	13	38	40	1.0	1.8	250m	100m	10mΔ		500mΔ	100m	100m	74				5H		CN35
68	NC581	15	12	38	40	2.0	1.8	625m	100m	10mΔ		500mΔ	100m	100m	74				5H		CN2c
69	NC583	15 ♦	12	38	40	2.0	1.8	625m	100m	10mΔ		500mΔ	100m	100m	74				5H		CN2c
70▼	LM120H15	15 ♦	2.0 %	2.0 %	40	1.0	2.0	200m	30m†	200u	18	10m§	195m	25mΔ	80				5C	F109	TO5
71▼	LM220H15	15 ♦	2.0 %	2.0 %	40	1.0	2.0	200m	30m†	200u	18	10m§	195m	25mΔ	80				28	F109	TO5
72▼	LM320H15	15 ♦	2.6 %	2.6 %	40	1.0	2.0	200m	30m†	100u	18	20m§	195m	40mΔ	80				07	F109	TO5
73▼	VR1000	15	3.0	36	40	3.5	2.0	250m	500m	10mΔ	1.0	800u§	1.0m	7.0uΔ	60				5C		MP314
74▼	VR2000	15 ♦	3.0	36	40	4.5	2.0	250m	500m	10mΔ	1.0	800u§	1.0m	7.0 Δ	60				5C		MP314
75	RE15D100	15	15	15	40	1.0	3.0	100m	100m	3.0m	1.0	10m	100m	10m	80 †				27		MP275
76#	101N15	15 ♦			40	3.0	6.5	3.0		12m	1.0	600m	1.5	2.0	20				08	F095	MP295
77#	101P15	15			40	3.0	6.5	3.0		12m	1.0	600m	1.5	2.0	20				08	F095	MP295
78▼	LM120K15	15 ♦	2.0 %	2.0 %	40	1.0	20	1.0	30m†	200u	18	10m§	995m	80mΔ	80				5C	F109	TO3
79▼	LM220K15	15 ♦	2.0 %	2.0 %	40	1.0	20	1.0	30m†	200u	18	10m§	995m	80mΔ	80				28	F109	TO3
80▼	VR03-15AA	15			40	3.5	70	5.0		15mΔ	45m	10m	5.0	200m	60				5C	F101	MP313
81▼	VR03-15AB	15	13	16	40	3.5	70	5.0		15mΔ	45m	10m	5.0	200m	60				5C	F101	MP313
82▼	MIVR42050-158	15			44		120	8.0		50mΔ	40	100m	8.0	200m	60				$F		TO3
83▼	MIVR42051-154	15 ♦			44		120	4.0		50mΔ	40	100m	5.0	200m	60				$F		TO3
84	RM4194D	15 §	0.0	42	45	3.0	900m	150m		2.0m%	33	20m	100m	1.0m	90 †				6F	F096	MP40
85	838V15	15			45	3.5	1.6	500m	25m	10mΔ	1.0	10m	500m	10m	66	6.0u†	12u†		5C	F072a	MP156
86	828V15	15			45	3.5	1.8	500m	25m	10mΔ	1.0	10m	500m	10m	66	6.0u†	12u†		5C	F072	MP156
87	RM4194TK	15 §	0.0	42	45	3.0	3.0	250m		2.0m%	33	20m	200m	1.0m	90 †				6F	F096	CN30
88	CTS873*	15 §	8.0	36	48	4.0	500m	100m	500m	5.0mΔ		30mΔ	100m	50m	50				5C	F040	CN2b
89	AMLM105F	15	4.5	40	50	3.0	500m				10	60m	12m	100m					5C	F100	TO91
90	AMLM105H	15	4.5	40	50	3.0	500m				10	60m	12m	100m					5C	F100	TO99
91	AMLM205F	15	4.5	40	50	3.0	500m				10	60m	12m	100m					28	F100	TO91
92	AMLM205H	15	4.5	40	50	3.0	500m				10	60m	12m	100m					28	F100	TO99
93	SG4501N	15 §			60	2.0	600m	100m			43	10m§	50m	10mΔ	75 †				07	F097	TO116
94	SG4501T	15 §			60	2.0	680m	100m			43	10m§	50m	10mΔ	75 †				07	F097	TO100
95▼	LM320K15	15 ♦	2.6 %	2.6 %	-40	1.0	20	1.0	30m†	100u	18	20m§	995m	80mΔ	80				07	F109	TO3
96	LM376N	16	5.0	27	30	3.0	400m	25m		20m	18	400m	25m	1.5	50				07	F070	MP∅
97#	SFC2376DC	16	5.0	27	30	3.0	400m	25m		20m	18	400mΔ	25m	1.5	50				07	F070	MP48
98	HEPC6049G-RT	16	2.5	32	35	2.1	680m	250m	120m	2.0mΔ†		30mΔ	49m	130mΔ					07	F042	CN10m
99	HEPC6049R-RT	16	2.5	32	35	2.1	3.0	600m	120m	2.0mΔ†		30mΔ	49m	50mΔ					07	F042	CN30
100	LA200H	16	2.0	30	40	3.0	400m	25m			32	200mΔ	12m	500m		4.0u	3.0u		28	F001	CN1a
101	LM200F	16	2.0	30	40	3.0	400m§	25m		1.0m%		200mΔ		500m		3.0u	3.0u		28	F001	FP2
102	LM200H	16	2.0	30	40	3.0	400m§	25m		1.0m%		200mΔ		500m		3.0u	3.0u		28	F001	CN1a
103	LM300F	16	2.0	30	40	3.0	400m§	25m		1.0m%		200m	2.0m	2.0		3.0u	3.0u		07	F001	FP2
104#	MT200F	16	2.0	30	40	3.0	400m	3.0m			5.0	200mΔ	12m	500m					28	F001	FP18
105#	MT200M	16	2.0	30	40	3.0	400m	3.0m			5.0	200mΔ	12m	500m					28	F001	CN1c
106#	SFC2200	16	2.0	30	40	8.5 *	400m			300u%		100mΔ	12m	100m					07	F001	TO99
107	SG200N	16	2.0	30	40	3.0	400m§	40m		1.0 %§		200mΔ		500m		3.0u			07	F001	MP39a
108	LA100F	16	2.0	30	40	3.0	500m	25m			32	200mΔ	12m	500m		4.0u	3.0u		5E	F001	TO91
109	LA100H	16	2.0	30	40	3.0	500m	25m			32	200mΔ	12m	500m		4.0u	3.0u		5E	F001	CN1c
110#	MT100F	16	2.0	30	40	3.0	500m	3.0m		1.0 %		200mΔ	12m	500m					5E	F001	FP18

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	[4] TYPE No.	[1] NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	HIGH (V)	[2] MAX INPUT LINE VOLT V	MIN OUT/IN DIFF. (ΔV)	[3] MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUTPUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	MAX TRANSIENT RECOVERY @LOAD CHG. (s)	T C M P	O D E -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO
1#	MT100M	16	2.0	30	40	3.0	500m	3.0m		1.0 %		200mΔ	12m	500m				5E		F001	CN1c
2#	SFC2100M	16	2.0	30	40	8.5 *	500m			300u%		100mΔ	12m	100m				5C		F001	TO99
3	SG100T	16	2.0	30	40	3.0	680m§	40m		1.0 %§		200mΔ		500m		3.0u	5.0u	5C		F001	TO99
4	SG200T	16	2.0	30	40	3.0	680m§	40m		1.0 %§		200mΔ		500m		3.0u		07		F001	TO99
5	MIC723-1C	16	2.0	37	40	3.0	800m	150m		20uΔ§	2.8	200m	49m	600m	74 †			5C		F030	CN17d
6	809	16	5.0	28	40	2.0	1.6	750m	1.0	11m		300m	1.0m	3.0m	34			5C			
7▼	MIVR42050-168	16			44		120	8.0		50mΔ	40	100m	8.0	200m	60			$F			TO3
8▼	MIVR42051-164	16 ♦			44		120	4.0		50mΔ	40	100m	5.0	200m	60			$F			TO3
9	MCC1463	17 ♦	3.8	32	35	3.0		600m	35m†				20m	700uΔ				5C		F064	FC6
10#	M5199T	17	2.5	32	35	9.5	650m	200m		10m†Δ		30mΔ	50m	10mΔ				27		F094	TO100
11	MC1469G	17	2.5	32	35	3.0	680m	250m	120m	2.0m†Δ		30mΔ		2.4mΔ	89 †		50n	07		F042	CN10b
12	MC1463G	17 ♦	3.8	32	35	1.5	2.4	200m	120m	2.0m†Δ		30mΔ	19m	2.4mΔ	94 †			07		F064	CN10m
13	MC1463R	17 ♦	3.8	32	35	1.5	2.4	500m	120m	2.0m†Δ		30mΔ	19m	2.4mΔ	94 †			07		F064	CN30
14	MC1461G	17	2.5	32	35	3.0	3.0	250m	120m	2.0m%		30mΔ	19m	2.4mΔ	64		50n	07		F042	CN10b
15	MC1461R	17	2.5	32	35	3.0	3.0	600m	120m	2.0m%		30mΔ	19m	2.4mΔ	64		50n	07		F042	CN30
16	MC1469R	17	2.5	32	35	3.0	3.0	600m	120m	2.0m†Δ		30mΔ		2.4mΔ	89 †		50n	07		F042	CN30
17#	M5199AY	17	2.5	32	35	9.5 *	3.3	1.0	120m	10m†Δ		30mΔ	50m	10mΔ				27		D033	CN24
18	MCB1723F	17	2.0	37	40	3.0					28	200m	49m	150m	74 †			5C		F099a	TO86
19	MCBC1723	17	2.0	37	40	3.0					28	200m	49m	150m	74 †			5C		F099	FC15
20	SG305N	17	4.5	30	40	3.0	400m§	40m		1.0 %§		60mΔ		100m	40	3.0u	3.0u	07		F003	MP39a
21	LM305H	17	4.5	30	40	3.0	500m			1.0 %		60mΔ	12m	30m	50			07		F003	TO99
22#	MT305	17	4.5	30	40	3.0	500m			1.0 %		60mΔ	12m	50m	53			07		F003	CN1c
23#	SFC2305	17	4.5	30	40	3.0	500m§			1.0m%		60mΔ	12m	50m	80			07		F003	TO99
24#	TBA352	17	1.8	34	40		630m§	115m	300m	2.5m†Δ								5C		F060	Δ002AL
25	SG305T	17	4.5	30	40	3.0	680m§	40m		1.0 %§		60mΔ		100m	40	3.0u	3.0u	5C		F003	TO99
26	MIC723-5C	17	2.0	37	40	3.0	800m	150m	50m	1.0m%	28	5.0	49m	600m	86 †	5.0u†	5.0u†	07		F030	CN17d
27	NE550G	17	2.0	37	50	3.0	800m	150m		100m%	30	150mΔ	50m	150mΔ	74			07			TO91
28	NE550K	17	2.0	37	50	3.0	800m	150m		100m%	30	150mΔ	50m	150mΔ	74			07			TO100
29	SE550G	17	2.0	37	50	3.0	800m	150m		100m%	30	150mΔ	50m	150mΔ	74			5C			TO91
30	SE550K	17	2.0	37	50	3.0	800m	150m		100m%	30	150mΔ	50m	150mΔ	74			5C			TO100
31	BN4103	18				22 *	15	1.0		100mΔ				1.5				3C		F058	CN32a
32	BN4002	18				22 *	25	1.0	250m	40mΔ		1.0		1.0				3C		F056	CN32
33	SN72400L	18	2.0	37	8.5	3.0	800m	200m	20m†	2.0m†Δ	3.0	100m	49m	100m	60 †			07		F092	TO100
34	SN72400N	18	2.0	37	8.5	3.0	800m	200m	20m†	2.0m†Δ	3.0	100m	49m	100m	60 †			07		F092	MP39h
35	LM305F	18	4.5	30	30	30	500m§	25m		1.0m%	1.0	60mΔ	12m	50m	80	2.0u	2.0u	07		F003	FP2
36	HEPC6054G-RT	18 ♦	3.8	32	35	1.5		200m	120m	2.0mΔ†		30mΔ	49m					07		F064	CN10m
37	HEPC6054R-RT	18 ♦	3.8	32	35	1.5		200m	120m	2.0mΔ†		30mΔ	49m					07		F064	CN30
38	MCC1469	18	2.5	32	35	3.0		600m	35m†									5C		F042	FC7
39▼#	SFC2818EC	18	17	18	35	2.0					12	360m§	1.0	360mΔ	59 †			07			Y220AB
40▼#	SFC2818RC	18	17	18	35	2.0					12	360m§	1.0	360mΔ	59 †			07			TO3
41▼	MC7818CP	18	4.0 %	4.0 %	35	2.0	2.0	1.0	110m†	1.0m†	12	180m§	995m	360mΔ	59 †			0C		F091	MP331
42	uA7818-GH-393	18	17	19	35	3.0	15	2.2	110m†	1.0m†§	12	2.0	1.0	2.0	59 †			07		F091	Y220b
43	uA7818-GJ-393	18	17	19	35	3.0	15	2.2	110m†	1.0m†§	12	2.0	1.0	2.0	59 †			07		F091	TO3
44▼	LM340K18	18	3.8 %	3.8 %	35	3.0	20	1.5	360m	3.6m	12	360m§	995m	360mΔ	59 †			07		F110	TO3
45▼	LM340T18	18	3.8 %	3.8 %	35	3.0	20	1.5	360m	3.6m	12	360m§	995m	360mΔ	59 †			07		F110	Y220
46	MCC1723	18	2.0	37	40	3.0					28	500mΔ	49m	150mΔ	76 †			5C		F030	FC12
47	MCC1723C	18	2.0	37	40	3.0					28	500mΔ	49m	200mΔ	76 †			5C		F030	FC12
48	SN72418L	18	16	19	40	3.0	800m	150m	100m†	15mΔ	15	500m	49m	600m	70 †	5.0u†	5.0u†	07			TO99
49	SN72418P	18	16	19	40	3.0	800m	150m	100m†	15mΔ	15	500m	49m	600m	70 †	5.0u†	5.0u†	07			MP161
50	809V18	18			40	2.0	1.6	1.0	1.0	60mΔ§		30m	500m	1.5	34			5C			MP34e
51	851V18	18 ♦			40	4.0	1.6	500m	10k	4.2m	2.2	50 Δ	500m	50m	60	5.0u	5.0u	5C		F012	MP34b
52	859V18	18 ♦			40	2.0	1.6	1.0	1.0	60mΔ§		30m	500m	1.5	34			5C			MP34e
53	801V18	18			40	4.0	1.8	500m	10k	4.2m	2.4	50 Δ	500m	50m	60	5.0u	5.0u	5C		F005	MP34
54#	101N18	18 ♦			43	3.0	6.5	3.0		15m	1.0	500m	1.5	1.5	20			08		F095	MP295
55#	101P18	18			43	3.0	6.5	3.0		15m	1.0	500m	1.5	1.5	20			08		F095	MP295
56▼	MIVR42050-188	18			44		120	8.0		50mΔ	40	100m	8.0	200m	60			$F			TO3
57▼	MIVR42051-184	18 ♦			44		120	4.0		50mΔ	40	100m	5.0	200m	60			$F			TO3
58▼	LM105D	18	4.5	40	50	3.0	800m	12m			5.0	60mΔ	45m	200m		5.0u	5.0u	5F		F003	MP322
59▼	LM105P	18	4.5	40	50	3.0	800m	12m			5.0	60mΔ	45m	200m		5.0u	5.0u	5F		F003	MP39k
60▼	LM305AD	18	4.5	40	50	3.0	800m	45m			5.0	60mΔ	45m	200m		5.0u	5.0u	07		F003	MP322
61▼	LM305AF	18	4.5	40	50	3.0	800m	45m			5.0	60mΔ	45m	200m		5.0u	5.0u	07		F003	FP2n
62▼	LM305AP	18	4.5	40	50	3.0	800m	45m			5.0	60mΔ	45m	200m		5.0u	5.0u	07		F003	MP39k
63	SH3200	19	8.5	3.0	35	4.0	780m	50m		1.8m%	10	500m	50m	500m				5C		F031	TO99
64	SH3201	19 ♦	30	8.5	35	4.0	780m	50m		1.8m%	10	500m	50m	50m				5C		F032	TO99
65▼	MFC4060A	19	3.7	35	38	3.0	1.0	200m			18	30mΔ	49m	200m				17		F102	MP223
66▼	MFC4062A	19	3.6	35	38	3.0	1.0	200m			18	60mΔ	49m	400m				17		F102	MP223
67▼	MFC6030A	19	3.7	35	38	3.0	1.0	200m			18	30mΔ	49m	200m*				17		F103	MP223
68▼	MFC6032A	19	3.6	35	38	3.0	1.0	200m			18	60mΔ	49m	400m*				17		F103	MP223
69	uA723-9A-393	19	2.0	37	40	3.0	120m	150m	50m	15m	28	200m	49m	600mΔ	74 †	5.0u	5.0u	07		F030	MP39d
70	SG723CN	19	2.0	37	40	3.0	400m§	150m		15m%		500mΔ		200m	86 †	20u	10u	07		F030	MP39a
71	CA3085A	19	1.6	37	40	4.0	630m		300m	3.5m†Δ		100mΔ	99m	600mΔ	50 †	800n	3.0u	5C		F088	Δ002AL
72▼	CA3085AS	19	1.6	37	40	4.0	630m		300m	3.5 Δ†		100mΔ	99m	600mΔ	50 †	800n	3.0u	5C		F088	
73	MC1569G	19	2.5	37	40	2.7	680m	250m	80m	2.0m†Δ		15mΔ		1.6mΔ	88 †		50n	5C		F042	CN10b
74	SG723CT	19	2.0	37	40	3.0	680m§	150m		15m%		500mΔ		200m	86 †	20u	10u	5C		F030	TO100
75	SG723T	19	2.0	37	40	3.0	680m§	150m		15m%		200mΔ		150m	86 †	20u	10u	5C		F030	TO100
76♦	JANM38510/10201AIA	19	2.0	37	40	2.5	700m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C		F030d	CN10e
77♦	JANM38510/10201AIB	19	2.0	37	40	2.5	700m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C		F030d	CN10e
78♦	JANM38510/10201AIC	19	2.0	37	40	2.5	700m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C		F030d	CN10e
79♦	JANM38510/10201BIA	19	2.0	37	40	2.5	700m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C		F030d	CN10e
80♦	JANM38510/10201BIB	19	2.0	37	40	2.5	700m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C		F030d	CN10e
81♦	JANM38510/10201BIC	19	2.0	37	40	2.5	700m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C		F030d	CN10e
82♦	JANM38510/10201CIA	19	2.0	37	40	2.5	700m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C		F030d	CN10e
83♦	JANM38510/10201CIB	19	2.0	37	40	2.5	700m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C		F030d	CN10e
84♦	JANM38510/10201CIC	19	2.0	37	40	2.5	700m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C		F030d	CN10e
85	723-12-5R	19	2.0	37	40	3.0	800m	150m		15mΔ	3.0	100mΔ	49m	150mΔ	74 †	5.0u†	5.0u†	5C		F030b	CN10f
86	723-93-5R	19	2.0	37	40	3.0	800m	150m		15mΔ	3.0	100mΔ	49m	200mΔ	74 †	5.0u†	5.0u†	07		F030b	CN10f
87	723BE	19	2.0	37	40	3.0	800m	150m		15m§Δ	3.0	100mΔ	49m	150mΔ	74 †			5C		F030b	TO96
88	723CE	19	2.0	37	40	3.0	800m	150m		15mΔ§	3.0	100mΔ	49m	150mΔ	74 †			07		F030b	TO96
89	823BE	19	2.0	37	40	2.5	800m	150m		15mΔ§	3.0	20mΔ	49m	100mΔ	70			5C		F081	TO96
90#	L123B1	19	2.0	37	40	3.0	800m	150m	50m	1.0m%	28	5.0	50m	600m	86 †	5.0u†	5.0u†	07		F030	MP39
91#	L123T1	19	2.0	37	40	3.0	800m	150m				500m		200m	74 †			07		F030	TO100
92#	L123T2	19	2.0	37	40	3.0	800m	150m	50m			200m		150m	74 †			5C		F030	TO100
93	LA723CH	19	2.0	37	40	3.0	800m	150m				300mΔ	50m	600m	74 †	5.0u	5.0u	07		F030a	CN10f
94	LA723H	19	2.0	37	40	3.0	800m	150m				300mΔ	50m	600m	74 †	5.0u	5.0u	5C		F030a	CN10f
95	LM723CH	19	2.0	37	40	3.0	800m	150m	50m	1.0m%	28	5.0	49m	600m	86	5.0u†	5.0u†	07		F030	TO99
96	LM723CN	19	2.0	37	40	3.0	800m	150m	50m	1.0m%	28	5.0	50m	600m	86 †	5.0u†	5.0u†	07		F030	MP39g
97	LM723H	19	2.0	37	40	3.0	800m	150m	50m	20uΔ§	28	200m	49m	600m	74			5C		F030	TO99
98♦	JANM38510/10201AAA	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C		F030d	FP24
99♦	JANM38510/10201AAB	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C		F030d	FP24

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	TYPE No.	1 NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	HIGH (V)	2 MAX INPUT LINE VOLT (V)	MIN OUT/IN DIFF. (ΔV)	3 MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUTPUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	OUT VOLT. CHG. (%)	MAX TRANSIENT RECOVERY MIN RIPPL REJ. (dB)	@LINE CHG. (s)	@LOAD CHG. (s)	T E M P	C O D E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1♦	JANM38510/10201AAC	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP24
2♦	JANM38510/10201ABA	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP24a
3♦	JANM38510/10201ABB	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP24a
4♦	JANM38510/10201ABC	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP24a
5♦	JANM38510/10201ADA	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP25
6♦	JANM38510/10201ADB	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP25
7♦	JANM38510/10201ADC	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP25
8♦	JANM38510/10201AHA	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP2r
9♦	JANM38510/10201AHB	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP2r
10♦	JANM38510/10201AHC	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP2r
11♦	JANM38510/10201BAA	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP2r
12♦	JANM38510/10201BAB	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP24
13♦	JANM38510/10201BAC	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP24
14♦	JANM38510/10201BBA	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP24a
15♦	JANM38510/10201BBB	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP24a
16♦	JANM38510/10201BBC	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP24a
17♦	JANM38510/10201BDA	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP25
18♦	JANM38510/10201BDB	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP25
19♦	JANM38510/10201BDC	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP25
20♦	JANM38510/10201BHA	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP2r
21♦	JANM38510/10201BHB	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP2r
22♦	JANM38510/10201BHC	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP2r
23♦	JANM38510/10201CAA	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP24
24♦	JANM38510/10201CAB	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP24
25♦	JANM38510/10201CAC	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP24
26♦	JANM38510/10201CBA	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP24a
27♦	JANM38510/10201CBB	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP24a
28♦	JANM38510/10201CBC	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP24a
29♦	JANM38510/10201CDA	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP25
30♦	JANM38510/10201CDB	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP25
31♦	JANM38510/10201CDC	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP25
32♦	JANM38510/10201CHA	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP2r
33♦	JANM38510/10201CHB	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP2r
34♦	JANM38510/10201CHC	19	2.0	37	40	2.5	800m§	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	FP2r
35	MC1723CG	19	2.0	37	40	3.0	800m	150m		15mΔ		300mΔ		600mΔ	74 †			07	F030	CN10k
36	MC1723CL	19	2.0	37	40	3.0	800m	150m		15mΔ		300mΔ		600mΔ	74 †			07	F030	TO116
37	MC1723G	19	2.0	37	40	3.0	800m	150m		15mΔ		300mΔ		600mΔ	74 †			5C	F030	CN10k
38	MC1723L	19	2.0	37	40	3.0	800m	150m		15mΔ		300mΔ		600mΔ	74 †			5C	F030	TO116
39	MIC723-1	19 §	2.0	37	40	3.0	800m	150m		15mΔ	28	200m	49m	150m	74 †			5C	F030	CN10e
40	MIC723-5	19 §	2.0	37	40	3.0	800m	150m		15mΔ	28	500m	49m	200m	74 †			07	F030	CN10e
41	MS723C	19	2.0	37	40	3.0	800m	150m	50m	15m§Δ	28	500m	49m	600m	74 †	5.0u	5.0u	6G	F085	FP2g
42	N5723A	19	2.0	37	40	3.0	800m	4.0m		15mΔ	3.0	100m	49m	150m	74 †			07	F079	MP153
43	NE550A	19	2.0	37	40	3.0	800m	3.0m		15mΔ	31	300m	49m	200m	75 †			07	F080	MP153
44	NE550L	19	2.0	37	40	3.0	800m	150m	50m	15mΔ	28	300m	50m	200m	75 †	1.0u†	2.0u†	07	F080	CN10g
45	RC723D	19	2.0	37	40	3.0	800m	150m	50mt	15mΔ	28	100m	49m	150m	74 †	5.0u†	5.0u†	07	F030	MP40
46	RC723DP	19	2.0	37	40	3.0	800m	150m	50mt	15mΔ	28	100m	49m	150m	74 †	5.0u†	5.0u†	07	F030	MP40
47	RM723D	19	2.0	37	40	3.0	800m	150m	50mt	15mΔ	28	20m	49m	150m	74 †	5.0u†	5.0u†	5C	F030	MP40
48	RM723T	19	2.0	37	40	3.0	800m	150m		20uΔ§	28	200m	49m	150m	74	5.0u	5.0u	5C	F030	TO100
49	S5723A	19	2.0	37	40	3.0	800m	150m	50m	15mΔ	28	200m	49m	600m	74 †	5.0u	5.0u	5C	F030	MP153
50	S5723L	19	2.0	37	40	3.0	800m	150m	50m	15mΔ	28	200m	49m	600m	74 †	5.0u	5.0u	5C	F030	CN10g
51#	SFC2723C	19	2.0	37	40	3.0	800m	150m		15m%	28	500mΔ	49m	200m	86 †			07	F030a	TO100
52#	SFC2723M	19	2.0	37	40	3.0	800m	150m		15m%	28	200mΔ	49m	150m	86 †			5C	F030a	TO100
53	SN52723J	19	2.0	37	40	3.0	800m	150m	50mt	15mΔ	28	200m	49m	600m	74 †	5.0u	5.0u	5C		MP139
54	SN52723L	19	2.0	37	40	3.0	800m	150m	50mt	15mΔ	28	200m	49m	600m	74 †	5.0u	5.0u	5C		TO100
55	SN52723U	19	2.0	37	40	3.0	800m	150m	50mt	15mΔ	28	200m	49m	600m	74 †	5.0u	5.0u	5C		Δ004AA
56	SN72401J	19	2.0	37	40	3.0	800m	150m	50mt	15mΔ	28	500m	49m	600m	70 †	5.0ut	5.0ut	07		MP178
57	SN72401N	19	2.0	37	40	3.0	800m	150m	50mt	15mΔ	28	500m	49m	600m	70 †	5.0ut	5.0ut	07		MP177
58	SN72403L	19	2.0	37	40	3.0	800m	150m	50mt	15mΔ	28	500m	49m	600m	74 †	5.0u	5.0ut	07		TO99
59	SN72403P	19	2.0	37	40	3.0	800m	150m	50mt	15mΔ	28	500m	49m	600m	74 †	5.0ut	5.0ut	07		MP161
60	SN72723J	19	2.0	37	40	3.0	800m	150m	50mt	15mΔ	28	500m	49m	600m	74 †	5.0u	5.0u	07		MP139
61	SN72723L	19	2.0	37	40	3.0	800m	150m	50mt	15mΔ	28	500m	49m	600m	74 †	5.0u	5.0u	07		TO100
62	SN72723N	19	2.0	37	40	3.0	800m	150m	50mt	15mΔ	28	500m	49m	600m	74 †	5.0u	5.0u	07		MP39h
63	SN72723U	19	2.0	37	40	3.0	800m	150m	50mt	15mΔ	28	500m	49m	600m	74 †	5.0u	5.0u	07		Δ004AA
64#	TBA281%	19	2.0	37	40	3.0	800m	50m		15mΔ§	3.0	100m	49m	200m	74 †			07	F030a	CN10f
65#	TL1723	19	2.0	37	40	3.0	800m	150m		15m§Δ	28	200m	49m	150m	74 †			5C	F030b	TO100
66#	TL1723C	19	2.0	37	40	3.0	800m	150m		15m§Δ	28	500m	49m	200m	74 †			07	F030b	TO100
67#	TL3723C	19	2.0	37	40	3.0	800m	150m		15m§Δ	28	500m	49m	200m	75 †			07	F030c	MP39f
68	TVR1723J	19	2.0	37	40	3.0	800m	150m		20uΔ§	2.8	200m	49m	600m	74 †			5C		TO116
69	TVR1723V	19	2.0	37	40	3.0	800m	150m		20uΔ§	2.8	200m	49m	600m	74 †			5C		TO100
70	TVR2723J	19	2.0	37	40	3.0	800m	150m	50n	1.0m%	28	5.0	49m	600m	86 †	5.0ut	5.0ut	07		TO116
71	TVR2723V	19	2.0	37	40	3.0	800m	150m	50m	1.0m%	28	5.0	49m	600m	86 †	5.0ut	5.0ut	07		TO100
72	uA723-5R-312	19	2.0	37	40	3.0	800m	150m	50m	15mΔ§	28	200m	49m	600m	74 †	5.0u	5.0u	5C	F030	CN10f
73	uA723-5R-393	19	2.0	37	40	3.0	800m	150m	50m	15mΔ§	28	500m	49m	600m	74 †	5.0u	5.0u	07	F030	CN10f
74	UC4723	19	2.0	37	40	3.0	800m	150m		20uΔ§	2.8	200m	49	600m	74 †			5C	F030	TO100
75	UC4723C	19	2.0	37	40	3.0	800m	150m		1.0m%	2.8	5.0	49	600m	86 †			07	F038	TO100
76	AMU5R7723312	19	2.0	37	40	3.0	850m			15mΔ%	3.0	300mΔ	49m	600mΔ	74 †			5C	F079	MP151a

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	4 TYPE No.	1 NOM. OUTPUT VOLT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	HIGH (V)	2 MAX INPUT LINE VOLT |V|	MIN OUT/IN DIFF. (ΔV)	3 MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUTPUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	MAX TRANSIENT RECOVERY @LOAD CHG. (s)	T C E O M D P E	CKT.	DRAWINGS OUTLINE Δ=MO
1	AMU5R7723393	19	2.0	37	40	3.0	850m			15mΔ%	3.0	300mΔ	49m	600mΔ	74 †			07	F079	MP151a
2#	MT723	19	2.0	37	40	3.0	850m			15mΔ§	3.0	100mΔ	49m	150mΔ	74 †			5C	F030	TO100
3#	MT723C	19	2.0	37	40	3.0	850m			15mΔ§	3.0	100mΔ	49m	200mΔ	74 †			07	F030	TO100
4	723-93-6E	19	2.0	37	40	3.0	900m	150m		15mΔ	3.0	100mΔ	49m	200mΔ	74 †	5.0u†	5.0u†	07	F030c	MP39
5	823BN	19	2.0	37	40	2.5	900m	150m		15mΔ§	3.0	50mΔ	49m	200mΔ	60			5C	F081a	TO116
6	AMU6A7723312	19	2.0	37	40	3.0	900m			15mΔ%	3.0	300mΔ	49m	600mΔ	74 †			5C	F079	CN37a
7	AMU6A7723393	19	2.0	37	40	3.0	900m			15mΔ%	3.0	300mΔ	49m	600mΔ	74 †			07	F079	CN37a
8	RC723T	19	2.0	37	40	3.0	900m	150m		1.0M%	28	500m	49m	200m	74	5.0u	5.0u	07		TO100
9#	SFC2723EC	19	2.0	37	40	3.0	900m	150m		15m%	28	500mΔ	49m	200m	86 †			07	F030a	TO116
10#	SFC2723EM	19	2.0	37	40	3.0	900m	150m		15m%	28	200mΔ	49m	150m	86 †			5C	F030a	TO116
11	uA723-6A-312	19	2.0	37	40	3.0	900m	150m	50m	15mΔ§	28	200m	49m	600m	74 †	5.0u	5.0u	5C	F030	MP14v
12	uA723-6A-393	19	2.0	37	40	3.0	900m	150m	150m	15mΔ§		500m	49m	600m	74 †	5.0u	5.0u	07	F030	MP14v
13♦	JANM38510/10201ACA	19	2.0	37	40	2.5	1.0 §	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	MP315
14♦	JANM38510/10201ACB	19	2.0	37	40	2.5	1.0 §	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	MP14z
15♦	JANM38510/10201ACC	19	2.0	37	40	2.5	1.0 §	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	MP315
16♦	JANM38510/10201BCA	19	2.0	37	40	2.5	1.0 §	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	MP315
17♦	JANM38510/10201BCB	19	2.0	37	40	2.5	1.0 §	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	MP315
18♦	JANM38510/10201BCC	19	2.0	37	40	2.5	1.0 §	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	MP315
19♦	JANM38510/10201CCA	19	2.0	37	40	2.5	1.0 §	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	MP315
20♦	JANM38510/10201CCB	19	2.0	37	40	2.5	1.0 §	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	MP315
21♦	JANM38510/10201CCC	19	2.0	37	40	2.5	1.0 §	85m		15mΔ	28	2.0	9.0m	500m	64			5C	F030d	MP315
22	HIC106	19	2.0	37	40	2.5	2.7	1.0							74 †			5C	F090a	CN2h
23	HIC107	19 ♦	2.0	37	40	3.0	2.7	1.0							74 †			5C	F090	CN2h
24	MC1561G	19	2.5	37	40	2.7	3.0	250m	80m	2.0m%		15mΔ	19m	1.6mΔ	69		50n	5C	F042	CN10b
25	MC1561R	19	2.5	37	40	2.7	3.0	600m	80m	2.0m%		15mΔ	19m	1.6mΔ	69		50n	5C	F042	CN30
26	MC1569R	19	2.5	37	40	2.7	3.0	600m	80m	2.0m†Δ		15mΔ		1.6mΔ	88 †		50n	5C	F042	CN30
27	N5723K	19	2.0	37	40	3.0	800	150	50	1.0 %	28	5.0	49m	600m	86	5.0u†	5.0u	07		TO100
28	S5723K	19	2.0	37	40	3.0	800	150		20uΔ	2.8	200m	49m	600m	74			5C		TO100
29	LM723D	19	2.0	37	40	3.0	900	150m	50m	15u§	28	200m	49	600m	74			5C	F030	MP∅
30	C216	19	8.0	30	80	8.0	1.8	300m	100m	5.0mΔ§	1.0	2.0mΔ	90m	7.0m	66			5C		CN2k
31	MCC1563	20 ♦	3.6	37	40	2.7		600m	20mt				20m	400uΔ				5C	F064	FC6
32	MCC1569	20	2.5	37	40	2.7		600m	20mt									5C	F042	FC7
33	TVR2000J	20	3.0	37	40	2.2	800m	200m	50m		1.0	1.5m	100m		40	100n	100n	5C		TO116
34	TVR2000V	20	3.0	37	40	2.2	800m	200m	50m		1.0	15m	100m		40	100n	100n	5C		TO100
35	TVR2001J	20	3.0	37	40	2.5	800m	200m	100m		1.0	30m	100m		34	100n	100n	07		TO116
36	TVR2001V	20	3.0	37	40	2.5	800m	200m	100m		1.0	30m	100m		34	100n	100n	07		TO100
37	MC1563G	20 ♦	3.6	37	40	1.5	2.4	200m	80m	2.0m†Δ		15mΔ	19m	1.6mΔ	94 †			5C	F064	CN10m
38	MC1563R	20 ♦	3.6	37	40	1.5	2.4	500m	80m	2.0m†Δ		15mΔ	19m	1.6mΔ	94 †			5C	F064	CN30
39#	S1005	20 ♦	10	30	40	2.2	2.5	250m	20m	30mΔ		5.0mΔ			63			28	F086	MP232
40#	S1006	20 ♦	10	30	40	2.2	2.5	250m	20m	30mΔ		5.0mΔ			63			28	F086	MP232
41#	S1011	20 ♦	11	30	40	3.1	3.0	500m	20m	30mΔ		4.5mΔ			63			28	F086	MP233
42#	S1012	20 ♦	11	30	40	3.1	3.0	500m	20m	30mΔ		4.5mΔ			63			28	F086	MP233
43#	S1017	20 ♦	11	30	40	3.0	10	2.0	5.0m	30mΔ		4.5mΔ			63			28	F086	MP234
44#	S1018	20 ♦	11	30	40	3.0	10	2.0	5.0m	30mΔ		4.5mΔ			63			28	F086	MP234
45#	S1025	20 ♦	11	30	40	3.0	25	5.0	5.0m	30mΔ		4.5mΔ			63			2B	F086	MP235
46#	S1026	20 ♦	11	30	40	3.0	25	5.0	5.0m	30mΔ		4.5mΔ			63			2B	F086	MP235
47▼	MIVR42050-208	20			44		120	8.0		50mΔ	40	100m	8.0	200m	60			$F		TO3
48▼	MIVR42051-204	20 ♦			44		120	4.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
49	LA104H	20 ♦	15m	40	50	2.0	500m				5.0	100m♦	20m	5.0mΔ	60	5.0u	3.0u	5C	F002	TO100
50	LA204H	20 ♦	15m	40	50	2.0	500m				5.0	100m♦	20m	5.0mΔ	60	5.0u	3.0u	28	F002	TO100
51	LA304H	20 ♦	15m	40	50	2.0	500m				5.0	100m♦	20m	5.0mΔ	60	5.0u	3.0u	07	F002	TO100
52	LM104F883	20	15m	40	50	2.0	500m§	25m		1.0m%	100m	100m	20m	100m	60	3.0u	3.0u	5C	F002	FP2
53	LM104F	20 ♦	15m	40	50	2.0	500m			1.0 %	4.0	100m	20m	5.0mΔ	60	5.0u†	5.0u†	5C	F002	
54	LM104H883	20	15m	40	50	2.0	500m§	25m		1.0m%	100m	100m	20m	100m	60	3.0u	3.0u	5C	F002	CN17c
55	LM104H	20 ♦	15m	40	50	2.0	500m			1.0 %	4.0	100m	20m	5.0mΔ	60	5.0u†	5.0u†	5C	F002	CN10e
56	LM204F	20	15m	40	50	2.0	500m§	25m		1.0m%	100m	100m	20m	100m	60	3.0u	3.0u	07	F002	FP2
57	LM204H	20 ♦	15m	40	50	2.0	500m			1.0 %	5.0	100m♦	20m	5.0mΔ	60	5.0u†	5.0u†	28	F002	TO100
58	LM304F	20	35m	30	50	2.0	500m§	25m		1.0m%	100m	100m	20m	100m	60	3.0u	3.0u	07	F002	FP2
59#	MT104	20 ♦	15m	40	50	2.0	500m			1.0 %	100m	100m	20m	5.0mΔ	46 †			5C	F002	CN10e
60#	MT204	20 ♦	15m	40	50	2.0	500m				100m	100m	20m	5.0mΔ	46 †			28	F002	CN10e
61#	SFC2104M	20 ♦	15m	40	50	2.0	500m§			1.0m%	5.0	100m♦	20m	5.0mΔ	60	3.0u†	3.0u†	5C	F002	TO100
62#	SFC2204	20 ♦	15m	40	50	2.0	500m§			1.0m%	5.0	100m♦	20m	5.0mΔ	60			28	F002	TO100
63	SG104F	20	15m	40	50	2.0	500m			1.0 %	4.0	100m	20m	5.0m	60	5.0u†	5.0u†	5C	F002	
64	SG104T	20	15m	40	50	2.0	500m			1.0 %	4.0	100m	20m	5.0m	60	5.0u†	5.0u†	5C	F002	TO100
65	SG204T	20	15m	40	50	2.0	500m			1.0 %	5.0	100m	20m	5.0mΔ	60	5.0u†	5.0u†	28	F002	TO100
66	MLM104G	20 ♦	15m	40	50	2.0	680m				5.0	100m	20m	5.0mΔ	60			5C	F002	TO100
67	MLM105G	20	4.5	40	50	3.0	680m					60mΔ			47			5C	F003	TO99
68	MLM204G	20 ♦	15m	40	50	2.0	680m				5.0	100m	20m	5.0mΔ	60			28	F002	TO100
69	MLM205G	20	4.5	40	50	3.0	680m					60mΔ			47			28	F003	TO99
70	826BE	21	12	30	40	2.5	500m§	100m		20mΔ		50mΔ	50m	50mΔ	60 †	10u†	10u†	5C		CN15
71	809V21	21			40	2.0	1.6	1.0	1.0	60mΔ§		30m	500m	1.5	34			5C		MP34e
72	851V21	21 ♦			40	4.0	1.6	500m	10k	4.2m	2.5	50m	500m	50m	60	5.0u	5.0u	5C	F012	MP34b
73	859V21	21 ♦			40	2.0	1.6	1.0	1.0	60mΔ§		30m	500m	1.5	34			5C		MP34e
74	801V21	21			40	4.0	1.8	500m	10k	4.2m	2.7	50m	500m	50m	60	5.0u	5.0u	5C	F005	MP34
75	822CU	21	2.5	40	50	2.0	400m§	25m		10mΔ		30mΔ	25m	50m	60 †	5.0u†	5.0u†	09		TO110
76	822BE	21	3.0	40	50	3.0	500m§	50m		10mΔ§		30mΔ	25m	50m	60 †	5.0u†	5.0u†	5C	F065	CN1c
77	823AE	21	2.0	40	50	2.5	800m	150m		5.0mΔ§	3.0	20mΔ	49m	100mΔ	70			5C	F081	TO96
78	SE550L	21	2.0	40	50	3.0	800m	150m	50m	12mΔ	28	100m	50m	100m	75 †	1.0u†	2.0u†	5C	F080	CN10g
79	823AN	21	2.0	40	50	2.5	900m	150m		5.0mΔ§	3.0	50mΔ	49m	200mΔ	60			5C	F081a	TO116
80	LM105F883	22	4.5	40	30	3.0	500m§	25m		1.0m%	1.0	60mΔ	25m	100m	80	1.0u	1.0u	5F	F003	FP2
81	LM105H883	22	4.5	40	30	3.0	500m§	25m		1.0m%	1.0	60mΔ	25m	100m	80	1.0u	1.0u	5F	F003	CN1a
82▼	MIVR42050-224	22			44		120	4.0		50mΔ	40	100m	4.0	200m	60			$F		TO3
83▼	MIVR42051-223	22 ♦			44		120	3.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
84	SG205N	22	4.5	40	50	3.0	400m§	40m		1.0 %§		60mΔ		100m	40	3.0u	3.0u	07	F003	MP39a
85	LA105F	22	4.5	40	50	3.0	500m					60mΔ	12m	50m	48	5.0u	3.0u	5C	F003	TO91
86	LA105H	22	4.5	40	50	3.0	500m	25m				60mΔ	12m	100m	80	1.0u	1.0u	5C	F003	CN1c
87	LA205H	22	4.5	40	50	3.0	500m	25m				60mΔ	12m	100m	80	2.0u	2.0u	28	F003	CN1c
88	LA305H	22	4.5	40	50	3.0	500m	25m				60mΔ	12m	50m	48			07	F003	CN1c
89	LM105F	22	4.5	40	50	3.0	500m			1.0 %		60mΔ	12m	100m	80	3.0u†	3.0u†	5C	F003	FP2
90	LM105H	22	4.5	40	50	3.0	500m			1.0 %		60mΔ	12m	100m	80	3.0u†	3.0u†	5C	F003	CN1c
91	LM205F	22	4.5	40	50	3.0	500m§	20m		1.0m%		10m	20m	100m	80	2.0u	2.0u	2A	F003	FP2
92	LM205H	22	4.5	40	50	3.0	500m§	20m		1.0m%		10m	20m	100m	80	2.0u	2.0u	2A	F003	CN1a
93#	MT105F	22	4.5	40	50	3.0	500m			1.0 %	5.0	60mΔ	12m	50m	53			5E	F003	FP18
94#	MT105M	22	4.5	40	50	3.0	500m			1.0 %	5.0	60mΔ	12m	50m	53			5E	F003	CN1c
95#	MT205F	22	4.5	40	50	3.0	500m				5.0	60mΔ	12m	50m	53			2A	F003	FP18
96#	MT205M	22	4.5	40	50	3.0	500m				5.0	60mΔ	12m	50m	53			2A	F003	CN1c
97#	SFC2105M	22	4.5	40	50	3.0	500m§			1.0m%		60mΔ	12m	50m	80	1.0u†	1.0u†	5C	F003	TO99
98#	SFC2205	22	4.5	40	50	3.0	500m§			1.0m%		60mΔ	12m	50m	80			28	F003	TO99
99	SG105T	22	4.5	40	50	3.0	680m§	40m		1.0 %§		60mΔ		100m	40	3.0u	3.0u	5C	F003	TO99
100	SG205T	22	4.5	40	50	3.0	680m§	40m		1.0 %§		60mΔ		100m	40	3.0u	3.0u	5C	F003	TO99
101	LM305AH	22	4.5	40	50	3.0	800m	45m		1.0 %		60mΔ	45m	30m	50			07	F003	TO99

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	[4] TYPE No.	[1] NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	HIGH (V)	[2] MAX INPUT LINE VOLT (V)	MIN OUT/IN DIFF. (ΔV)	[3] MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUTPUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MAX TRANSIENT RECOVERY MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	MAX TRANSIENT RECOVERY @LOAD CHG. (s)	T C M P	E O D E	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO
1	NC530	23	8.0	38	40	2.0	500m	250m	500m	10mΔ		100mΔ	100m	250m	40 †			5C			CN17a
2	824BE	23	12	35	45	2.5	500m§	100m		15mΔ§		20mΔ	50m	30m	60 †	10u†	10u†	$C		F046	CN11
3	BN4003	24				28 *	25	1.0	250m	40mΔ		1.0		1.0				3C		F056	CN32
4	DE24D100	24			40			100m			1.0	10m	100m	10m				27			MP275a
5▼#	SFC2824EC	24	23	25	40	2.0					11	480m§	1.0	480mΔ	56 †			07			Y220AB
6▼#	SFC2824RC	24	23	25	40	2.0					11	480m§	1.0	480mΔ	56 †			07			TO3
7	NC512	24			40		500m	200m	2.0 †	5.0m	2.0	1.0	100m	250m	24			5C		F021	CN10a
8	NC514	24 ♦			40		500m	200m	2.0 †	5.0m	2.0	1.0	100m	250m	24			5C		F022	CN10a
9	PC502	24			40		500m	200m	500m	5.0m	2.0	1.0	100m	250m	24			5C		F027a	FP10
10	PC504	24 ♦			40		500m	200m	500m	5.0m	2.0	1.0	100m	250m	24			5C		F027	FP10
11	PC512	24			40		500m	200m	2.0 †	5.0m	2.0	1.0	100m	250m	24			5C		F021	FP7
12	PC514	24 ♦			40		500m	200m	2.0 †	5.0m	2.0	1.0	100m	250m	24			5C		F022	FP7
13	SN72424L	24	21	26	40	3.0	800m	150m	125m†	15mΔ	10	500m	49m	600m	70 †	5.0u†	5.0u†	07			TO99
14	SN72424P	24	21	26	40	3.0	800m	150m	125m†	15mΔ	10	500m	49m	600m	70 †	5.0u†	5.0u†	07			MP161
15	809V24	24			40	2.0	1.6	1.0	1.0	60mΔ§		30m	500m	1.5	34			5C			MP34e
16	853V24	24 ♦			40	4.0	1.6	500m	10m	6.4m	2.8	50m	500m	50m	60	5.0u	5.0u	5C		F012	MP34b
17	859V24	24 ♦			40	2.0	1.6	1.0	1.0	60mΔ§		30m	500m	1.5	34			5C			MP34e
18	803V24	24			40	4.0	1.8	500m	10m	6.4m	3.0	50m	500m	50m	60	5.0u	5.0u	5C		F005	MP34
19▼	MC7824CP	24	4.0 %	4.0 %	40	2.0	2.0	1.0	150m†	1.0m†	11	240m§	955m	480mΔ	56 †			0C		F091	MP331
20	RE24D100	24	24	24	40	1.0	3.0	100m	100m	4.8m	1.0	10m	100m	10m	80 †			27			MP275
21	uA7824-GH-393	24	23	35	40	3.0	15	2.2	150m†	1.0m†§	11	2.0	1.0	2.0	56 †			07		F091	Y220b
22	uA7824-GJ-393	24	23	35	40	3.0	15	2.2	150m†	1.0m†§	11	2.0	1.0	2.0	56 †			07		F091	TO3
23▼	LM340K24	24	4.1 %	4.1 %	40	3.0	20	1.5	480m	5.0m	11	480m§	995m	480mΔ	56 †			07		F110	TO3
24▼	LM340T24	24	4.1 %	4.1 %	40	3.0	20	1.5	480m	5.0m	11	480m§	995m	480mΔ	56 †			07		F110	Y220
25▼	MIVR42050-244	24			44		120	4.0		50mΔ	40	100m	4.0	200m	60			$F			TO3
26▼	MIVR42051-243	24 ♦			44		120	3.0		50mΔ	40	100m	5.0	200m	60			$F			TO3
27▼#	SI3241S	24			45	4.0	25	1.5	100m	3.0m	9.0	1.3	1.0	800m	60					F105	MP219
28#	101N24	24 ♦			49	3.0	6.5	3.0		20m	1.0	400m	1.5	1.2	20			08		F095	MP295
29#	101P24	24			49	3.0	6.5	3.0		20m	1.0	400m	1.5	1.2	20			08		F095	MP295
30	CA3085B	24	1.6	47	50	3.5	630m		300m	3.5m†Δ		80mΔ	99m	600mΔ	45	800n	3.0u	5C		F088	Δ002AL
31▼	CA3085BS	24	1.6	47	50	3.5	630m		300m	3.5mΔ†		80mΔ	99m	600mΔ	45	800n	3.0u	5C		F088	
32#	SI3240E	24			50	4.0	3.0	1.0	200m	5.0m	10	1.3	1.0	1.0	35					F082	TO3
33	2802BG	24 §	9.0	40	55	2.5	1.8	200m	1.0	500u%	38	380m	100m	100m	65 †	1.0u†	1.0 †	5C		F016	CN2b
34	2803BG	24 §	9.0	40	55	2.5	1.8	200m	1.0	500u%	38	380m	100m	100m	65 †	1.0u†	1.0 †	5C		F017	CN2b
35	C226	24	12	37	80	50	1.8	100m	100m	5.0mΔ§	1.0	2.0mΔ	90m	7.0m	70			5C			CN2k
36	BN4104	25				29 *	15	1.0		100mΔ				1.5				3C		F058	CN32a
37	854	26 ♦	20	32	40	4.0	1.6	500m	10m	6.4m	2.4	50m	500m	50m	60	5.0u	5.0u	5C		F013	MP34c
38	804%	26	20	32	40	4.0	1.8	500m	10m	6.4m	2.4	50m	500m	50m	60	5.0u	5.0u	5C		F006	MP34a
39▼	MIVR42050-264	26			44		120	4.0		50mΔ	40	100m	4.0	200m	60			$F			TO3
40▼	MIVR42051-263	26 ♦			44		120	3.0		50mΔ	40	100m	5.0	200m	60			$F			TO3
41	853V27	27 ♦			40	4.0	1.6	500m	10m	6.4m	3.1	50m	500m	50m	60	5.0u	5.0u	5C		F012	MP34b
42	809V28	28			40	2.0	1.6	1.0	1.0	60mΔ§		30m	500m	1.5	34			5C			MP34e
43	853V28	28 ♦			40	4.0	1.6	500m	10m	6.4m	3.2	50m	500m	50m	60	5.0u	5.0u	5C		F012	MP34b
44	859V28	28 ♦			40	2.0	1.6	1.0	1.0	60mΔ§		30m	500m	1.5	34			5C			MP34e
45	803V28	28			40	4.0	1.8	500m	10m	6.4m	3.4	50m	500m	50m	60	5.0u	5.0u	5C		F005	MP34
46▼	MIVR42050-284	28			44		120	4.0		50mΔ	40	100m	4.0	200m	60			$F			TO3
47▼	MIVR42051-283	28 ♦			44		120	3.0		50mΔ	40	100m	5.0	200m	60			$F			TO3
48	LMR3	29	8.0	50	60	3.0	25	2.0		50mΔ	2.2	500m	1.0	500m	40			5C		F074	CN22c
49▼	MIVR42050-304	30			44		120	4.0		50mΔ	40	100m	4.0	200m	60			$F			TO3
50▼	MIVR42051-303	30 ♦			44		120	3.0		50mΔ	40	100m	5.0	200m	60			$F			TO3
51	853V32	32 ♦			40	4.0	1.6	500m	10k	6.4	3.6	50m	500m	50m	60	5.0u	5.0u	5C		F012	MP34b
52	803V32	32			40	4.0	1.8	500m	10k	6.4	3.8	50m	500m	50m	60	5.0u	5.0u	5C		F005	MP34
53▼	MIVR42050-324	32			44		120	4.0		50mΔ	40	100m	4.0	200m	60			$F			TO3
54▼	MIVR42051-323	32 ♦			44		120	3.0		50mΔ	40	100m	5.0	200m	60			$F			TO3
55▼	MIVR42050-344	34			44		120	4.0		50mΔ	40	100m	4.0	200m	60			$F			TO3
56▼	MIVR42051-343	34 ♦			44		120	3.0		50mΔ	40	100m	5.0	200m	60			$F			TO3
57▼	MIVR42050-364	36			44		120	4.0		50mΔ	40	100m	4.0	200m	60			$F			TO3
58▼	MIVR42051-363	36 ♦			44		120	3.0		50mΔ	40	100m	5.0	200m	60			$F			TO3
59	807V36	36			150	6.0	1.6	150m	30m	15mΔ	3.0	50m	150	50m	50	5.0	5.0	5C		F044	MP34e
60#	MT104-883	40 ♦	39	41	50		500m				8.0	5.0mΔ	20m	5.0mΔ				5C			CN10e
61#	S1027	42 ♦	25	60	70	2.9	25	5.0	5.0m	30mΔ		2.0mΔ			63			2B		F086	MP235
62#	S1028	42 ♦	25	60	70	2.9	25	5.0	5.0m	20mΔ		2.0mΔ			63			2B		F086	MP235
63#	S1019	45 ♦	30	60	70	3.0	10	2.0	5.0m	30mΔ		1.6mΔ			63			28		F086	MP234
64#	S1020	45 ♦	30	60	70	3.0	10	2.0	5.0m	30mΔ		1.6mΔ			63			28		F086	MP234
65	807V48	48			150	6.0	1.6	150m	30m	15mΔ	5.0	50m	150	50m	50	5.0	5.0	5C		F044	MP34e
66	808V60	60			150	6.0	1.6	150m	50m	15mΔ	6.0	50m	150	50m	50	5.0	5.0	5C		F044	MP34e
67	808V100	100			150	6.0	1.6	150m	50m	15mΔ	10	50m	150	50m	50	5.0	5.0	5C		F044	MP34e

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

9. VOLTAGE COMPARATORS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP@25°C RATED SPECS 1 TOT. VOLT (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE 3 DRFT (V/°C)	4 OFSET (V)	MAX CURRENT OFFSET (A)	BIAS (A)	@25°C MIN CM RANGE (ΔV)	STROBE CUR-MAX (A)	OUTPUT CHAR. @ 25°C MIN. OUTPUT VOLTAGE POS (V)	NEG (V)	MAX. OUT RES. (Ω)	MIN. CURR SINK (A)	W/C TRANSFER CHAR. @25°C VOLT. GAIN (dB)	RESP. TIME (s)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1▼	LM139D	5.0	10m		5.0m§	25n	100n	1.5 §					6.0m	106 †	1.3u†	5C	G036	MP148
2▼	LM139F	5.0	10m		5.0m§	25n	100n	1.5 §					6.0m	106 †	1.3u†	5C	G036	FP29
3▼	LM239D	5.0	10m		5.0m§	50n	250n	1.5 §					6.0m	106 †	1.3u†	28	G036	MP148
4▼	LM339D	5.0	10m		5.0m§	50n	250n	1.5 §					6.0m	106 †	1.3u†	07	G036	MP148
5▼	LM339N	5.0	10m		5.0m§	50n	250n	1.5 §					6.0m	106 †	1.3u†	07	G036	MP39
6	SE518A	9.0 §	225m		4.0m	12u	70u	10 Δ	4.6m	4.9	1.2	50 †	2.2m	64	50u*	5C	G004	TO116
7	SE518G%	9.0 §	225m		4.0m	12u	70u	10 Δ	4.6m	4.9	1.2	50 †	2.2m	64	50u*	5C	G004	TO91
8	SE518K%	9.0 §	225m		4.0m	12u	70u	10 Δ	4.6m	4.9	1.2	50 †	2.2m	64	50u*	5C	G004	TO100
9	NE518A	9.0 §	243m		1.0m	12u	70u	10 Δ	4.7m	4.8	1.2	50 †	2.2	63	60u*	07	G004	TO116
10	NE518G%	9.0 §	243m		1.0m	12u	70u	10 Δ	4.7m	4.8	1.2	50 †	2.2	63	60u*	07	G004	TO91
11	NE518K%	9.0 §	243m		1.0m	12u	70u	10 Δ	4.7m	4.8	1.2	50 †	2.2	63	60u*	07	G004	TO100
12	NE526A	10	120m		5.0m	5.0u	35u	7.4 §		2.8	400m		16m	70 †	17 *	07	G009	TO116
13	NE526G	10	120m		5.0m	5.0u	35u	7.4 §		2.8	400m		16m	70 †	17 *	07	G009	TO91
14	NE526K	10	120m		5.0m	5.0u	35u	7.4 §		2.8	400m		16m	70 †	17 *	07	G009	TO99
15	SE526G	10	120m		5.0m	5.0u	35u	7.4 §		2.8	400m		16m	70 †	17 *	5C	G009	TO91
16	SE526K	10	120m		5.0m	5.0u	35u	7.4 §		2.8	400m		16m	70 †	17 *	5C	G009	TO99
17	uA760-5B-312	11	312m	3.0u†	6.0m	7.5u	60u	8.0		2.4	250m†	100 †	3.2m	66	25n	5C	G027	TO99
18	uA760-6A-312	11	312m	3.0u†	6.0m	7.5u	60u	8.0		2.4	250m†	100 †	3.2m	66	25n	5C	G027a	MP14v
19	uA760-5B-393	11	325m	3.0u†	6.0m	7.5u	60u	8.0		2.5	250m†	100 †	3.2m	66	25n	07	G027	TO99
20	uA760-6A-393	11	325m	3.0u†	6.0m	7.5u	60u	8.0		2.5	250m†	100 †	3.2m	66	25n	07	G027a	MP14v
21	uA760-9T-393	11	325m	3.0u†	6.0m	7.5u	60u	8.0		2.5	250m†	100 †	3.2m	66	25n	07	G027	MP48a
22▼	LM160CH	12			2.0m	2.0u	10u							70	15n	07		CN10e
23▼	LM160H	12			2.0m	2.0u	10u							70	15n	5C		CN10e
24#	SFC2525EM	15					75u									5C		MP117
25▼	MC3302P*	15 §	225m		40m	3.0n§†	1.0u	30			150m†		20mΔ	66		48	G032	TO116
26#	SFC2524EM	16					75u									5C		MP117
27	SN72710J	18 §	88m†	7.5u†	10m	25u	150u	10		2.5	1.0	200 †		56	40n†	07	G001	MP139
28	SN72710L	18 §	88m†	7.5u†	10m	25u	150u	10		2.5	1.0	200 †		56	40n†	07	G001	TO99
29	SN72710N	18 §	88m†	7.5u†	10m	25u	150u	10		2.5	1.0	200 †		56	40n†	07	G001	MP39h
30	SN72710S	18 §	88m†	7.5u†	10m	25u	150u	10		2.5	1.0	200 †		56	40n†	07	G001	TO89
31#	SFC2710M	18 §	90m		600u§†	750n§†	13u§†			3.2 †		500m†	200m†	65 †	40u†	5C	G001	TO99
32#	SFC2710C	18 §	90m		1.6m§†	1.8u§†	16u§†			3.2 †		500m†	200m†	64 †	40u†	07	G001	TO99
33#	SFC2711CØ	18 §	130m		1.0m§†	500n§†	25u§†			4.5 †		500m†	200m†	64 †	40u†	07	G006	TO100
34#	SFC2711MØ	18 §	130m		1.0m§†	500n§†	25u§†			4.5 †		500m†	200m†	64 †	40u†	5C	G006	TO100
35▼	MCB1710F	18	150m		2.0m§		20u§	14		2.5	1.0	200 †	2.0m			5C	G033	TO91
36▼	MCBC1710	18	150m		2.0m§		20u§	14		2.5	1.0	200 †	2.0m			5C	G033	FC22
37	MCC1710	18 §	150m	3.0u†	2.0m§		20u§	14 Δ		2.5	1.0	200 †	2.0m		40n†	5C	G001	FC10
38	MC1710F	18 §♦	150m	3.0u†§	3.0m	7.0u	45u	10		2.5	0.0	200 †	2.0m	62	40n†	5C	G001	TO91
39	MC1710G	18 §♦	150m	3.0u†§	3.0m	7.0u	45u	10		2.5	0.0	200 †	2.0m	62	40n†	5C	G001	TO99
40	MC1710L	18 §♦	150m	3.0u†§	3.0m	7.0u	45u	10		2.5	0.0	200 †	2.0m	62	40n†	5C	G001	TO116
41	MCC1710C	18 §	150m	3.0u†	5.0m§		25u§	14 Δ		2.5	1.0	200 †	2.0m		40n†	5C	G001	FC10
42	N5710A	18 §	150m	3.5u†☑	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.6m	60	40u†	07	G001	TO116
43	N5710G	18 §	150m	3.5u†☑	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.6m	60	40u†	07	G001	TO91
44	N5710T	18 §	150m	3.5u†☑	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.6m	60	40u†	07	G001	TO99
45	RM710AD	18 §♦	150m	5.0u	1.5m	5.0u	28u	10		2.5	1.0	200 †	2.0m	63	40n†	5C	G001	MP40
46	RM710AQ	18 §♦	150m	5.0u	1.5m	5.0u	28u	10		2.5	1.0	200 †	2.0m	63	40n†	5C	G001	FP2k
47	RM710AT	18 §♦	150m	5.0u	1.5m	5.0u	28u	10		2.5	1.0	200 †	2.0m	63	40n†	5C	G001	TO99
48	SG710AT	18 §	150m	5.0u§	1.5m	5.0u	28u	10		2.5	1.0	200 †	2.0m	63	40n†	5C	G001	TO99
49♦	RM711AD	18	150m	5.0u	2.0m	3.0u	30u	10	2.5m	2.5	1.0	200	680m	63	40n	5C	G006	FP2k
50	RM711AT*	18 §♦	150m	5.0u	2.0m	3.0u	30u	10	2.5m	2.5	1.0	200 †	680m	63	40n†	5C	G006	TO100
51	SG711AT	18 §	150m	5.0u§	2.0m	3.0u	30u	10	2.5m	2.5	1.0	200 †	500u	61	40n†	5C	G006	TO100
52	SN52811J	18 §♦	150m	5.0u†	4.5m	5.0u	30u	10	2.5m	2.5	0.0	200 †	500u	80	33n†	07	G029	MP139
53	SN52811L	18 §♦	150m	5.0u†	4.5m	5.0u	30u	10	2.5m	2.5	0.0	200 †	500u	82	33n†	5C	G029	TO100
54	SN52811N	18 §♦	150m	5.0u†	4.5m	5.0u	30u	10	2.5m	2.5	0.0	200 †	500u	82	33n†	5C	G029	MP39h
55	SN52811U	18 §♦	150m	5.0u†	4.5m	5.0u	30u	10	2.5m	2.5	0.0	200 †	500u	80	33n†	07	G029	Δ004AE
56	MC1710CF	18 §♦	150m	5.0u†§	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.6m	60	40n†	07	G001	TO91
57	MC1710CG	18 §♦	150m	5.0u†§	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.6m	60	40n†	07	G001	TO99
58	MC1710CL	18 §♦	150m	5.0u†§	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.6m	60	40n†	07	G001	TO116
59	MC1710CP	18 §♦	150m	5.0u†§	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.6m	60	40n†	07	G001	MP25a
60	JANM38510/10301ACA	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	FP24a
61	JANM38510/10301ACB	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	FP24a
62	JANM38510/10301ACC	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	FP24a
63	JANM38510/10301AGA	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	CN1k
64	JANM38510/10301AGB	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	CN1k
65	JANM38510/10301AGC	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	CN1k
66	JANM38510/10301AHA	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	FP2r
67	JANM38510/10301AHB	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	FP2r
68	JANM38510/10301AHC	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	FP2r
69	JANM38510/10301BCA	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	FP24a
70	JANM38510/10301BCB	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	FP24a
71	JANM38510/10301BCC	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	FP24a
72	JANM38510/10301BGA	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	CN1k
73	JANM38510/10301BGB	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	CN1k
74	JANM38510/10301BGC	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	CN1k
75	JANM38510/10301BHA	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	FP2r
76	JANM38510/10301BHB	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	FP2r
77	JANM38510/10301BHC	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	FP2r
78	JANM38510/10301CCA	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	FP24a
79	JANM38510/10301CCB	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	FP24a
80	JANM38510/10301CCC	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	FP24a
81	JANM38510/10301CGA	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	CN1k
82	JANM38510/10301CGB	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	CN1k
83	JANM38510/10301CGC	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	CN1k
84	JANM38510/10301CHA	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	FP2r

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

9. VOLTAGE COMPARATORS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP@25°C RATED SPECS [1] TOT. VOLT (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX. VOLTAGE [3] DRFT (V/°C)	[4] OFFSET (V)	MAX CURRENT OFFSET (A)	BIAS (A)	@25°C MIN CM RANGE (ΔV)	STROBE CUR-MAX (A)	OUTPUT CHAR. @ 25°C MIN. OUTPUT VOLTAGE POS (V)	NEG (V)	MAX. OUT RES. (Ω)	MIN. CURR SINK (A)	W/C TRANSFER CHAR. @25°C VOLT. GAIN (dB)	RESP. TIME (s)	T C M D P E -+	E O CKT.	DRAWINGS OUT-LINE Δ=MO
1	JANM38510/10301CHB	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	FP2r
2	JANM38510/10301CHC	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ		2.5	1.0		2.0m	61	60n	5C	G001	FP2r
3	710-1-5B	18 §♦	150m	10u	3.0m	7.0u	45u	10		2.5	0.0	200 †	2.0m	62	40u†	5C	G001	TO99
4	710BE	18 §♦	150m	10u	3.0m	7.0u	45u	10		2.5	0.0	200 †	2.0m	62	40n†	5C	G001	CN1a
5	710BH	18 §♦	150m	10u	3.0m	7.0u	45u	10		2.5	0.0	200 †	2.0m	62	40n†	5C	G001	FP5
6	LA710F	18 §♦	150m	10u	3.0m	7.0u☑	45u☑	10		2.5	0.0	200 †	2.0m	62	40n†	5C	G001	FP2e
7	LA710H	18 §♦	150m	10u	3.0m	7.0u☑	45u☑	10		2.5	0.0	200 †	2.0m	62	40n†	5C	G001	TO99
8	MIC710-1B	18 §♦	150m	10u	3.0m	7.0u	45u	10		2.5	0.0	200 †	2.0m	62	40u†	5C	G001	FP2b
9	MIC710-1C	18 §♦	150m	10u	3.0m	7.0u	45u	10		2.5	0.0	200 †	2.0m	62	40u†	5C	G001	CN1a
10	RM710D	18 §♦	150m	10u	3.0m	7.0u	45u	10		2.5	1.0	200 †	2.0m	62	40n†	5C	G001	MP40
11	RM710Q	18 §♦	150m	10u	3.0m	7.0u	45u	10		2.5	1.0	200 †	2.0m	62	40n†	5C	G001	FP2k
12	RM710T	18 §♦	150m	10u	3.0m	7.0u	45u	10		2.5	1.0	200 †	2.0m	62	40n†	5C	G001	TO99
13	S5710G	18 §	150m	10u	3.0m	7.0u	45u	10		2.5	0.0	200 †	2.0m	80	40u†	5C	G001	TO91
14	S5710T	18 §	150m	10u	3.0m	7.0u	45u	10		2.5	0.0	200 †	2.0m	80	40u†	5C	G001	TO99
15#	SFC2710EM	18 §	150m	10u☑	3.0m	7.0u	45u☑	10		2.5	0.0	200 †	2.0m	62	40n†	5C	G001	TO116
16#	SFC2710PM	18 §	150m	10u☑	3.0m	7.0u☑	45u☑	10		2.5	0.0	200 †	2.0m	62	40n†	5C	G001	TO91
17	SG710T	18 §	150m	10u§	3.0m	7.0u	45u	10		2.5	1.0	200 †	2.0m	63	40n†	5C	G001	TO99
18	SN52510J	18 §♦	150m	10u	3.0m	7.0u	25u	10	2.5m	2.5	0.0	200 †	2.0m	82	30n†	5C	G024	MP139
19	SN52510L	18 §♦	150m	10u	3.0m	7.0u	25u	10	2.5m	2.5	0.0	200 †	2.0m	82	30n†	5C	G024	TO99
20	SN52510N	18 §♦	150m	10u	3.0m	7.0u	25u	10	2.5m	2.5	0.0	200 †	2.0m	82	30n†	5C	G024	MP39h
21	SN52510P	18 §♦	150m	10u	3.0m	7.0u	25u	10	2.5m	2.5	0.0	200 †	2.0m	82	30n†	5C	G024	MP267
22	SN52510U	18 §♦	150m	10u	3.0m	7.0u	25u	10	25m	2.5	0.0	200 †	2.0m	82	30n†	5C	G024	Δ004AE
23	SN52514J	18 §♦	150m	10u	3.0m	7.0u	25u	10	2.5m	2.5	0.0	200 †	2.0m	82	30n†	5C	G025	MP139
24	SN52514N	18 §♦	150m	10u	3.0m	7.0u	25u	10	2.5m	2.5	0.0	200 †	2.0m	82	30n†	5C	G025	MP39h
25	SN52810J	18 §♦	150m	10u	3.0m	7.0u	25u	10		2.5	0.0	200 †	2.0m	82	30n†	5C	G028	MP139
26	SN52810L	18 §♦	150m	10u	3.0m	7.0u	25u	10		2.5	0.0	200 †	2.0m	82	30n†	5C	G028	TO99
27	SN52810N	18 §♦	150m	10u	3.0m	7.0u	25u	10		2.5	0.0	200 †	2.0m	82	30n†	5C	G028	MP39h
28	SN52810P	18 §♦	150m	10u	3.0m	7.0u	25u	10		2.5	0.0	200 †	2.0m	82	30n†	5C	G028	MP267
29	SN52810U	18 §♦	150m	10u	3.0m	7.0u	25u	10		2.5	0.0	200 †	2.0m	82	30n†	5C	G028	Δ004AE
30	SN52820J	18 §♦	150m	10u	3.0m	7.0u	25u	10		2.5	0.0	200 †	2.0m	82	30n†	5C	G028a	MP139
31	SN52820N	18 §♦	150m	10u	3.0m	7.0u	25u	10		2.5	0.0	200 †	2.0m	82	30n†	5C	G028a	MP39h
32	TDC1710F	18 §♦	150m	10u	3.0m	7.0u	45u	10		2.5	0.0	200 †	2.0m	62	40u†	5C	G001	TO91
33	TDC1710V	18 §♦	150m	10u	3.0m	7.0u	45u	10		2.5	0.0	200 †	2.0m	62	40u†	5C	G001	TO99
34	uA710-3F-312	18 §♦	150m	10u	3.0m	7.0u	45u	10		2.5	0.0	200 †	2.0m	62	40u†	5C	G001	TO91
35	uA710-5B-312	18 §♦	150m	10u	3.0m	7.0u	45u	10		2.5	0.0	200 †	2.0m	62	40u†	5C	G001	TO99
36	uA710-6A-312	18 §♦	150m	10u	3.0m	7.0u	45u	10		2.5	0.0	200 †	2.0m	62	40u†	5C	G001	MP14v
37	SG711T	18 §	150m	10u§	6.0m	20u	150u	10	2.5m	2.5	1.0	200 †	500u	54	40n†	5C	G006	TO100
38	SN72510J	18 §♦	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	0.0	200 †	1.6m	80	30n†	07	G024	MP139
39	SN72510L	18 §♦	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	0.0	200 †	1.6m	80	30n†	07	G024	TO99
40	SN72510N	18 §♦	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	0.0	200 †	1.6m	80	30n†	07	G024	MP39h
41	SN72510P	18 §♦	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	0.0	200 †	1.6m	80	30n†	07	G024	MP267
42	SN72510U	18 §♦	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	0.0	200 †	1.6m	80	30n†	07	G024	Δ004AE
43	SN72514J	18 §♦	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	0.0	200 †	1.6m	80	30n†	07	G025	MP139
44	SN72514N	18 §♦	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	0.0	200 †	1.6m	80	30n†	07	G025	MP39h
45	SN72810J	18 §♦	150m	20u	4.5m	7.5u	30u	10		2.5	0.0	200 †	1.6m	80	30n†	07	G028	MP139
46	SN72810L	18 §♦	150m	20u	4.5m	7.5u	30u	10		2.5	0.0	200 †	1.6m	80	30n†	07	G028	TO99
47	SN72810N	18 §♦	150m	20u	4.5m	7.5u	30u	10		2.5	0.0	200 †	1.6m	80	30n†	07	G028	MP39h
48	SN72810P	18 §♦	150m	20u	4.5m	7.5u	30u	10		2.5	0.0	200 †	1.6m	80	30n†	07	G028	MP267
49	SN72810U	18 §♦	150m	20u	4.5m	7.5u	30u	10		2.5	0.0	200 †	1.6m	80	30n†	07	G028	Δ004AE
50	SN72820J	18 §♦	150m	20u	4.5m	7.5u	30u	10		2.5	0.0	200 †	1.6m	80	30n†	07	G028a	MP139
51	SN72820N	18 §♦	150m	20u	4.5m	7.5u	30u	10		2.5	0.0	200 †	1.6m	80	30n†	07	G028a	MP39h
52	SG710CT	18 §	150m	20u§	5.0m§	7.5u	25u§	10		2.5	1.0	200 †	1.6m	60	40n†	07	G001	MP39a
53	710-9-5B	18 §♦	150m	20u	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.6m	60	40u†	07	G001	TO99
54	710-93-6E	18 §♦	150m	20u	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.6m	60	40u†	07	G001	MP39
55	710CE	18 §♦	150m	20u	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.6m	60	40n†	07	G001	CN1a
56	710CH	18 §♦	150m	20u	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.6m	60	40n†	07	G001	FP5
57	MIC710-5B	18 §♦	150m	20u	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.6m	60	40u†	07	G001	FP2b
58	MIC710-5C	18 §♦	150m	20u	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.6m	60	40u†	07	G001	CN1a
59	RC710D	18 §♦	150m	20u	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07	G001	MP40
60	RC710DN	18 §♦	150m	20u	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07	G001	MP48
61	RC710DP	18 §♦	150m	20u	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07	G001	MP40
62	RC710Q	18 §♦	150m	20u	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07	G001	FP2k
63	RC710T	18 §♦	150m	20u	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07	G001	TO99
64#	SFC2710E	18	150m	20u	6.5m	7.5u	40u	10		2.5	0.0	200	1.6m	60	40n	07	G001	TO116
65#	SFC2710EC	18 §	150m	20u	6.5m	7.5u	40u☑	10		2.5	0.0	200 †	1.6m	60	40n†	07	G001	TO116
66#	SFC2710PC	18 §	150m	20u	6.5m	7.5u	40u☑	10		2.5	0.0	200 †	1.6m	60	40n†	07	G001	TO91
67	SG710CN	18 §	150m	20u§	6.5m	5.0u§	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07	G001	MP39a
68	TDC1710J	18 §♦	150m	20u	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.6m	60	40u†	07	G001	TO116
69	TDC2710F	18 §♦	150m	20u	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.6m	60	40u†	07	G001	TO91
70	TDC2710J	18 §♦	150m	20u	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.6m	60	40u†	07	G001	TO116
71	TDC2710V	18 §♦	150m	20u	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.6m	60	40u†	07	G001	TO99
72	uA710-5B-393	18 §♦	150m	20u	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.6m	60	40u†	07	G001	TO99
73	SG711CT	18 §	150m	20u§	7.5m§	15u§	100u§	10	2.5m	2.5	1.0	200 †	500u	63	40n†	5C	G006	TO100
74	SN52710BF	18 §	150m	20u	7.5m	7.5u	80u	10		2.5	0.0	200 †	1.6m	60	70u	07	G001	TO89
75	SN52710BL	18 §	150m	20u	7.5m	7.5u	80u	10		2.5	0.0	200 †	1.6m	60	70u	07	G001	CN1
76	SN52710BN	18 §	150m	20u	7.5m	7.5u	80u	10		2.5	0.0	200 †	1.6m	60	70u	07	G001	MP39
77	SG711CN	18 §	150m	20u§	10m	25u	150u	10	2.5m	2.5	1.0	200 †	500u	54	40n†	07	G006	MP39a
78	LA710AF	18 §♦	160m	10u	3.0m	7.0u☑	45u☑	10		2.5	0.0	200 †	2.0m	62	40n†	5C	G001	FP2
79	LA710AH	18 §♦	160m	10u	3.0m	7.0u☑	45u☑	10		2.5	0.0	200 †	2.0m	62	40n†	5C	G001	CN1c
80	LM710AH	18 §♦	160m	10u	3.0m	3.0u	45u	10		2.5	0.0	2.0 †	2.0m	62	40u†	5C	G001	CN1c
81#	MT710A	18 §♦	160m	10u	3.0m	7.0u☑	45u☑	10		2.5	1.0	200 †	2.0m	61	40n†	5C	G001	CN1c
82	LM710CN	18 §♦	170m	5.0u†	5.0m§	5.0u§	25u§	10		2.5	0.0	2.0 †	2.0m	57	40u†	07	G001	MP☑
83	LA710CH	18 §♦	170m	20u	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.7m	60	40n†	07	G001	CN1c
84	LA710CN	18 §♦	170m	20u	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.7m	60	40n†	07	G001	MP39
85	LM710CH	18 §♦	170m	20u	6.5m	7.5u	40u	10		2.5	0.0	200 †	1.7m	60	40n†	07	G001	TO99
86#	MT710C	18 §♦	170m	20u	6.5m	7.5u	40u☑	10		2.5	1.0	200 †	1.6m	60	40n†	07	G001	CN1c
87	SN52710J	18 §	175m	5.0u†	6.0m	20u	150u	10		2.5	1.0	200 †	1.6m	57	40n†	5C	G001	MP139
88	SN52710L	18 §	175m	5.0u†	6.0m	20u	150u	10		2.5	1.0	200 †	1.6m	57	40n†	5C	G001	TO99
89	SN52710N	18 §	175m	5.0u†	6.0m	20u	150u	10		2.5	1.0	200 †	1.6m	57	40n†	5C	G001	MP39h
90	SN52710S	18 §	175m	5.0u†	6.0m	20u	150u	10		2.5	1.0	200 †	1.6m	57	40n†	5C	G001	TO89
91	SN72720JØ	18 §♦	176m†	7.5u†	10m	25u	150u	10		2.5	0.0	200 †	1.6m†	54	40n†	07	G001	MP139
92	SN72720NØ	18 §♦	176m†	7.5u†	10m	25u	150u	10		2.5	0.0	200 †	1.6m†	56	40n†	07	G001	MP39h
93	RM711D*	18 §♦	180m	10u	6.0m	14u	150u	10	2.5m	2.5	1.0	200 †	680u	57	40n†	5C	G006	MP40
94	RM711Q*	18 §♦	180m	10u	6.0m	14u	150u	10	2.5m	2.5	1.0	200 †	680u	57	40n†	5C	G006	FP2k
95	RM711T*	18 §♦	180m	10u	6.0m	14u	150u	10	2.5m	2.5	1.0	200 †	680u	57	40n†	5C	G006	TO100
96	RC711D*	18 §♦	180m	20u	6.0m	25u	150u	10	2.5m	2.5	1.0	200 †	1.6m	57	40n†	07	G006	MP40
97	RC711DP	18 §♦	180m	20u	6.0m	25u	150u	10	2.5m	2.5	1.0	200 †	1.6m	57	40n†	07	G006	MP40
98	RC711Q*	18 §♦	180m	20u	6.0m	25u	150u	10	2.5m	2.5	1.0	200 †	1.6m	57	40n†	07	G006	FP2k
99	RC711T*	18 §♦	180m	20u	6.0m	25u	150u	10	2.5m	2.5	1.0	200 †	1.6m	57	40n†	07	G006	TO100
100	MCC1711*	18 §	200m	5.0u†	3.5m§		75u§	14 Δ	2.5m	2.5	1.0	200 †	500u		40n†	5C	G006	FC11
101	MCC1711C*	18 §	200m	5.0u†	5.0m§		100u§	14 Δ	2.5m	2.5	1.0	200 †	500u		40n†	5C	G006	FC11
102	711BEØ	18 §♦	200m	5.0u†	6.0m	20u	150u	10	1.2m	2.5	500m†	200 †	500u	58	40u†	5C	G006	CN17c
103	LA711FØ	18 §♦	200m	5.0u†	6.0m	20u	150u	10	2.5m	2.5	0.0	200 †	500u	57	40n†	5C	G006	FP☑
104	LA711HØ	18 §♦	200m	5.0u†	6.0m	20u	150u	10	2.5m	2.5	0.0	200 †	500u	57	40n†	5C	G006	TO100
105	LM711AHØ	18 §♦	200m	5.0u†	6.0m	20u	150u	10	2.5m	2.5	0.0	200 †	500u	58	40u†	5C	G006	CN17c
106	MC1711F	18 §♦	200m	5.0u†§	6.0m	20u	150u	10	2.5m	2.5	0.0	200 †	500u	58	40u†	5C	G006	CN10c
107	MC1711G	18 §♦	200m	5.0u†§	6.0m	20u	150u	10	2.5m	2.5	0.0	200 †	500u	58	40u†	5C	G006	TO91
108	MIC711-1BØ	18 §♦	200m	5.0u†	6.0m	20u	150u	10	2.5m	2.5	0.0	200 †	500u	58	40u†	5C	G006	FP2b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

9. VOLTAGE COMPARATORS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP@25°C RATED SPECS 1 TOT. VOLT (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX. VOLTAGE 3 DRFT (V/°C)	4 OFSET (V)	MAX CURRENT OFFSET (A)	BIAS (A)	@25°C MIN CM RANGE (ΔV)	STROBE CUR-MAX (A)	OUTPUT CHAR. @ 25°C MIN. OUTPUT VOLTAGE POS (V)	NEG (V)	MAX. OUT RES. (Ω)	MIN. CURR SINK (A)	W/C TRANSFER CHAR. @25°C VOLT. GAIN (dB)	RESP. TIME (s)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1	MIC711-1CØ	18 §♦	200m	5.0ut	6.0m	20u	150u	10	2.5m	2.5	0.0	200 †	500u	58	40ut	5C	G006	TO100
2#	MT711*	18 §♦	200m	5.0ut	6.0m	20u	150u	10	2.5m	4.5 †	1.0	200 †	500u	57	40n†	5C	G006	CN10e
3#	SFC2711EMØ	18 §	200m	5.0ut	6.0m	20u	150u	10	2.5m	2.5	0.0	200 †	500u	64 †	40n†	5C	G006	TO116
4#	SFC2711PMØ	18 §	200m	5.0ut	6.0m	20u	150u	10	2.5m	2.5	0.0	200 †	500u	64 †	40n†	5C	G006	TO91
5	SN52711JØ	18 §	200m	5.0ut	6.0m	20u	150u	10	2.5m	2.5	1.0	200 †	500u	57	40 †	5C	G006	MP139
6	SN52711LØ	18 §	200m	5.0ut	6.0m	20u	150u	10	2.5m	2.5	1.0	200 †	500u	57	40 †	5C	G006	TO99
7	SN52711NØ	18 §	200m	5.0ut	6.0m	20u	150u	10	2.5m	2.5	1.0	200 †	500u	57	40 †	5C	G006	MP39h
8	SN52711SØ	18 §	200m	5.0ut	6.0m	20u	150u	10	2.5m	2.5	1.0	200 †	500u	57	40 †	5C	G006	TO89
9	SN72811J	18 §♦	200m	5.0ut	6.0m	10u	50u	10	2.5m	2.5	0.0	200 †	500u	80	33n†	07	G029	MP139
10	SN72811L	18 §♦	200m	5.0ut	6.0m	10u	50u	10	2.5m	2.5	0.0	200 †	500u	80	33n†	07	G029	TO100
11	SN72811N	18 §♦	200m	5.0ut	6.0m	10u	50u	10	2.5m	2.5	0.0	200 †	500u	80	33n†	07	G029	MP39h
12	SN72811U	18 §♦	200m	5.0ut	6.0m	10u	50u	10	2.5m	2.5	0.0	200 †	500u	80	33n†	07	G029	Δ004AE
13	TDC1711FØ	18 §♦	200m	5.0ut	6.0m	20u	150u	10	2.5m	2.5	0.0	200 †	500u	58	40ut	5C	G006	TO91
14	TDC1711J	18 §♦	200m	5.0ut	6.0m	20u	150u	10	2.5m	2.5	0.0	200 †	500u	58	40ut	5C	G006	TO116
15	TDC1711VØ	18 §♦	200m	5.0ut	6.0m	20u	150u	10	2.5m	2.5	0.0	200 †	500u	58	40ut	5C	G006	TO100
16	uA711-3F-312Ø	18 §♦	200m	5.0ut	6.0m	20u	150u	10	2.5m	2.5	0.0	200 †	500u	58	40ut	5C	G006	TO91
17	uA711-5F-312Ø	18 §♦	200m	5.0ut	6.0m	20u	150u	10	2.5m	2.5	0.0	200 †	500u	58	40ut	5C	G006	TO100
18	uA711-6A-312Ø	18 §♦	200m	5.0ut	6.0m	20u	150u	10	2.5m	2.5	0.0	200 †	500u	58	40ut	5C	G006	MP14v
19	MC1711CFØ	18 §♦	200m	5.0ut§	10m	25u	150u	10	2.5m	2.5	0.0	200 †	500u	57	40ut	07	G006	TO91
20	MC1711CGØ	18 §♦	200m	5.0ut§	10m	25u	150u	10	2.5m	2.5	0.0	200 †	500u	57	40ut	07	G006	CN17b
21	MC1711CPØ	18 §♦	200m	5.0ut§	10m	25u	150u	10	2.5m	2.5	0.0	200 †	500u	57	40ut	07	G006	MP25a
22	N5711AØ	18 §	200m	5.0ut	10m	25u	150u	10	2.5m	5.0	1.0	200 †	500u	57	40ut	07	G006	TO116
23	N5711KØ	18 §	200m	5.0ut	10m	25u	150u	10	2.5m	5.0	1.0	200 †	500u	57	40ut	07	G006	TO100
24	S5711KØ	18 §	200m	5.0ut	10m	20u	150u	10	2.5m	5.0	1.0	200 †	500u	58	40ut	5C	G006	TO100
25	JANM38510/10302AHAØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	FP2r
26	JANM38510/10302AHBØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	FP2r
27	JANM38510/10302AHCØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	FP2r
28	JANM38510/10302AIAØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	CN10e
29	JANM38510/10302AIBØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	CN10e
30	JANM38510/10302AICØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	CN10e
31	JANM38510/10302BCAØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	FP24a
32	JANM38510/10302BCBØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	FP24a
33	JANM38510/10302BCCØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	FP24a
34	JANM38510/10302BHAØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	FP2r
35	JANM38510/10302BHBØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	FP2r
36	JANM38510/10302BHCØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	FP2r
37	JANM38510/10302BIAØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	CN10e
38	JANM38510/10302BIBØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	CN10e
39	JANM38510/10302BICØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	CN10e
40	JANM38510/10302CCAØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	FP24a
41	JANM38510/10302CCBØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	FP24a
42	JANM38510/10302CCCØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	FP24a
43	JANM38510/10302CHAØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	FP2r
44	JANM38510/10302CHBØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	FP2r
45	JANM38510/10302CHCØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	FP2r
46	JANM38510/10302CIAØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	CN10e
47	JANM38510/10302CIBØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	CN10e
48	JANM38510/10302CICØ	18 §	200m	10u	3.5m§	10u§	75u§	14 Δ	2.5m	2.5	1.0		500u	57	60n	5C	G006	CN10e
49	TDC6711JØ*	18 §♦	220m	5.0ut	6.0m	20u	150u	10	2.5m	4.5 †	0.0	200 †	500u	58	40ut	5C	G007	TO116
50	LM711CHØ	18 §♦	230m	5.0ut	5.0m	15u	100u	10	2.5m	4.5	0.0	200 †	500u	57	40n†	07	G006	CN17c
51#	MT711C*	18 §♦	230m	5.0ut	6.0m	25u	150u	10	2.5m	4.5 †	1.0	200 †	500u	56	40n†	07	G006	CN10e
52#	711-9-6E	18 §♦	230m	5.0ut	10m	25u	150u	10	2.5m	2.5	0.0	200 †	500u	57	40 †	07		TO116
53	711CEØ	18 §♦	230m	5.0ut	10m	25u	150u	10	1.2m	2.5	500m†	200 †	500u	57	40ut	07	G006	CN17c
54	LA711CHØ	18 §♦	230m	5.0ut	10m	25u	150u	10	2.5m	2.5	0.0	200 †	500u	57	40n†	07	G006	TO100
55	LA711CNØ	18 §♦	230m	5.0ut	10m	25u	150u	10	2.5m	2.5	0.0	200 †	500u	57	40n†	07	G006	MP☑
56	LM711CN	18 §♦	230m	5.0ut	10m	25u	150u	10	2.5m	2.5	0.0	200 †	500u	57	40ut	07	G006	MP☑
57	MIC711-5BØ	18 §♦	230m	5.0ut	10m	25u	150u	10	2.5m	2.5	500m	200 †	500u	57	40ut	07	G006	FP2b
58	MIC711-5CØ	18 §♦	230m	5.0ut	10m	25u	150u	10	2.5m	2.5	500m	200 †	500u	57	40ut	07	G006	TO100
59#	SFC2711EØ	18	230m	5.0u	10m	25u	150u	10	2.5m	2.5	0.0	200	500u		40n	07	G006	TO116
60#	SFC2711ECØ	18 §	230m	5.0ut	10m	2.5u	150u	10		2.5	0.0	200 †	500u	64 †	40n†	07	G006	TO116
61#	SFC2711PCØ	18 §	230m	5.0ut	10m	25u	150u	10	2.5m	2.5	0.0	200 †	500u	64 †	40n	07	G006	TO91
62	SN72711JØ	18 §	230m	5.0ut	10m	25u	150u	10	2.5m	2.5	1.0	200 †	500u	56	40 †	5C	G006	MP139
63	SN72711LØ	18 §	230m	5.0ut	10m	25u	150u	10	2.5m	2.5	1.0	200 †	500u	56	40 †	5C	G006	TO99
64	SN72711NØ	18 §	230m	5.0ut	10m	25u	150u	10	2.5m	2.5	1.0	200 †	500u	56	40 †	5C	G006	MP39h
65	SN72711SØ	18 §	230m	5.0ut	10m	25u	150u	10	2.5m	2.5	1.0	200 †	500u	56	40 †	5C	G006	TO89
66	TDC2711FØ	18 §♦	230m	5.0ut	10m	25u	150u	10	2.5m	4.5 †	0.0	200 †	500u	57	40ut	5C	G006	TO91
67	TDC2711JØ	18 §♦	230m	5.0ut	10m	25u	150u	10	2.5m	4.5 †	0.0	200 †	500u	57	40ut	5C	G006	TO116
68	TDC2711VØ	18 §♦	230m	5.0ut	10m	25u	150u	10	2.5m	4.5 †	0.0	200 †	500u	57	40ut	5C	G006	TO100
69	uA711-5F-393Ø	18 §♦	230m	5.0ut	10m	25u	150u	10	2.5m	2.5	0.0	200 †	500u	57	40ut	07	G006	TO100
70	uA711-6A-393Ø	18 §♦	230m	5.0ut	10m	25u	150u	10	2.5m	2.5	0.0	200 †	500u	57	40ut	07	G006	MP14v
71	TDC7711JØ*	18 §♦	250m	5.0ut	10m	25u	150u	10	2.5m	4.5 †	0.0	200 †	500u	57	40ut	07	G007	TO116
72▼	LM1514JØ	18 §	300m	3.0ut	3.0m	7.0u☑	20u§	10	2.5m	2.5	1.0	200 †	2.8m	61	30n†	5C	G038	MP319
73	MC1514L*	18 §	300m	3.0ut	3.0m	3.0u§	20u§	10		2.5	1.0	200 †	2.8m	62	40n†	5C	G012	TO116
74♦	RM1514D	18 §	300m	3.0ut	3.0m	7.0m	45u	10		2.5	1.0	200 †	2.8m	63	40n†	5C	G012	MP322
75▼	RM1514DP	18 §	300m	3.0ut	3.0m	7.0m	45u	10		2.5	1.0	200 †	2.8m	63	40n†	5C	G012	TO116
76	TDC4711FØ	18 §♦	300m	5.0ut	6.0m	20u	150u	10	2.5m	4.5 †	0.0	200 †	5.0	58	40ut	5C	G006	TO91
77	TDC4711JØ	18 §♦	300m	5.0ut	6.0m	20u	150u	10	2.5m	4.5 †	0.0	200 †	5.0m	58	40ut	5C	G006	TO116
78	TDC4711VØ	18 §♦	300m	5.0ut	6.0m	20u	150u	10	2.5m	4.5 †	0.0	200 †	5.0	58	40ut	5C	G006	TO100
79	TDC8711JØ*	18 §♦	300m	5.0ut	6.0m	20u	150u	10	2.5m	4.5 †	0.0	200 †	5.0m	58	40ut	07	G007	TO116
80▼	TSC1711F	18	300m	5.0u	6.0m	20u	150u	10	2.5m	2.5	0.0	300	500u	53	40n	5C	G006	TO91
81▼	TSC1711J	18	300m	5.0u	6.0m	20u	150u	10	2.5m	2.5	0.0	300	500u	53	40n	5C	G006	TO116
82▼	TSC1711V	18	300m	5.0u	6.0m	20u	150u	10	2.5m	2.5	0.0	300	500u	53	40n	5C	G006	TO100
83▼	LM1414JØ	18 §	300m	5.0ut	6.5m	7.5u☑	25u§	10	2.5m	2.5	1.0	200 †	1.6m	60	30n†	07	G038	MP319
84▼	LM1414NØ	18 §	300m	5.0ut	6.5m	7.5u☑	25u§	10	2.5m	2.5	1.0	200 †	1.6m	60	30n†	07	G038	MP39
85	MC1414L*	18 §	300m	5.0ut	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n	07	G012	TO116
86	MC1414P*	18 §	300m	5.0ut	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n	07	G012	MP25a

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

9. VOLTAGE COMPARATORS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP@25°C RATED SPECS 1 TOT. VOLT (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE 3 DRFT (V/°C)	4 OFSET (V)	MAX. VOLTAGE OFFSET (A)	MAX CURRENT BIAS (A)	@25°C MIN CM RANGE (ΔV)	STROBE CUR-MAX (A)	OUTPUT CHAR. @ 25°C MIN. OUTPUT VOLTAGE POS (V)	NEG (V)	MAX. OUT RES. (Ω)	MIN. CURR SINK (A)	W/C TRANSFER CHAR. @25°C VOLT. GAIN (dB)	RESP. TIME (s)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1▼	RC1414D	18	300m	5.0u	6.5m	7.5u	40u	10		2.5	1.0	200	1.6m	60	40n	07	G012	MP40
2▼	RC1414DP	18	300m	5.0u	6.5m	7.5u	40u	10		2.5	1.0	200	1.6m	60	40n	07	G012	TO116
3▼	RM1414D	18	300m	5.0u	6.5m	7.5u	40u	10		2.5	1.0	200	1.6m	60	40n	07	G012	MP40
4♦	TDC5711FØ	18 §♦	300m	5.0u†	10m	25u	150u	10	2.5m	4.5 †	0.0	200 †	500u	57	40u†	07	G006	TO91
5	TDC5711JØ	18 §♦	300m	5.0u†	10m	25u	150u	10	2.5m	4.5 †	0.0	200 †	500u	57	40u†	07	G006	TO116
6	TDC5711VØ	18 §♦	300m	5.0u†	10m	25u	150u	10	2.5m	4.5 †	0.0	200 †	5.0m	57	40u†	07	G006	TO100
7	TDC9711JØ*	18 ♦§	300m	5.0u†	10m	25u	150u	10	2.5m	4.5 †	0.0	200 †	2.6m	57	40u†	07	G007	TO116
8▼	TSC2711F	18	300m	5.0u	10m	25u	150u	10	2.5m	4.5	0.0	300	500u	53	40n	07	G006	TO91
9▼	TSC2711J	18	300m	5.0u	10m	25u	150u	10	2.5m	4.5	0.0	300	500u	53	40n	07	G006	TO116
10▼	TSC2711V	18	300m	5.0u	10m	25u	150u	10	2.5m	4.5	0.0	300	500m	53	40n	07	G006	TO100
11▼	TSC1225F	18	300m	10u	3.5m	10u	75u	10	1.5m	2.5	0.0	300	10m	80	60n	5C		TO91
12▼	TSC1225J	18	300m	10u	3.5m	10u	75u	10	1.5m	2.5	0.0	300	10m	80	60n	5C		TO116
13▼	TSC1225V	18	300m	10u	3.5m	10u	75u	10	1.5m	2.5	0.0	300	10m	80	60n	5C		TO100
14▼	TSC2225F	18	300m	10u	3.5m	10u	75u	10	1.5m	2.5	0.0	300	10m	80	60n	07		TO91
15▼	TSC2225J	18	300m	10u	3.5m	10u	75u	10	1.5m	2.5	0.0	300	10m	80	60n	07		TO116
16▼	TSC2225V	18	300m	10u	3.5m	10u	75u	10	1.5m	2.5	0.0	300	10m	80	60n	07		TO100
17▼	TSC4711F	18	300m	10u	6.0m	10u	150u	10	2.5m	2.5	0.0	300	5.0m	73	40n	5C	G006	TO91
18▼	TSC4711J	18	300m	10u	6.0m	10u	150u	10	2.5m	2.5	0.0	300	5.0m	73	40n	5C	G006	TO116
19▼	TSC4711V	18	300m	10u	6.0m	10u	150u	10	2.5m	2.5	0.0	300	5.0m	73	40n	5C	G006	TO100
20▼	TSC5711F	18	300m	10u	6.0m	15u	150u	10	2.5m	2.5	0.0	300	5.0m	73	40n	07	G006	TO91
21▼	TSC5711J	18	300m	10u	6.0m	15u	150u	10	2.5m	2.5	0.0	300	5.0m	73	40n	07	G006	TO116
22▼	TSC5711V	18	300m	10u	6.0m	15u	150u	10	2.5m	2.5	0.0	300	5.0m	73	40n	07	G006	TO100
23▼	TSC3225F	18	300m	20u	5.0m	15u	100u	10	1.5m	2.5	0.0	300	10m	73	100n	07		TO91
24▼	TSC3225J	18	300m	20u	5.0m	15u	100u	10	1.5m	2.5	0.0	300	10m	73	100n	07		TO116
25▼	TSC3225V	18	300m	20u	5.0m	15u	100u	10	1.5m	2.5	0.0	300	10m	73	100n	07		TO100
26#	MT710	21 §♦	150m	10uØ	3.0m	7.0uØ	45uØ	10		2.5	1.0	200 †	2.0m	61	40n†	5C	G001	CN1c
27#	711-1-5B	21	200m	5.0u†	6.0m	20u	150u	10	2.5m	2.5	0.0	200 †	500u	58	40u†	5C	G006	TO100
28#	711-9-5B	21	230m	5.0u†	10m	25u	150u	10	2.5m	2.5	0.0	200 †	500u	57	40u†	07	G006	TO100
29♦#	SL717A*	21 §	522m		3.0m	4.0u	15u	11 †§		790mØ	2.2 †			69	10n†	07	G019	CN27b
30♦#	SL717C*	21 §	544m		15m	15u	30u	11 †§		790mØ	2.2 †			66	10n†	07	G019	CN27b
31	JANM38510/10303AAA	24	142m	10u	2.0m§	3.0u§	20u§	14 Δ	3.3m	2.5	1.5 Δ		100mΔ		60n	5C	G005a	FP24
32	JANM38510/10303AAB	24	142m	10u	2.0m§	3.0u§	20u§	14 Δ	3.3m	2.5	1.5 Δ		100mΔ		60n	5C	G005a	FP24
33	JANM38510/10303AAC	24	142m	10u	2.0m§	3.0u§	20u§	14 Δ	3.3m	2.5	1.5 Δ		100mΔ		60n	5C	G005a	FP24
34	JANM38510/10303AGA	24	142m	10u	2.0m§	3.0u§	20u§	14 Δ	3.3m	2.5	1.5 Δ		100mΔ		60n	5C	G005	CN1k
35	JANM38510/10303AGB	24	142m	10u	2.0m§	3.0u§	20u§	14 Δ	3.3m	2.5	1.5 Δ		100mΔ		60n	5C	G005	CN1k
36	JANM38510/10303AGC	24	142m	10u	2.0m§	3.0u§	20u§	14 Δ	3.3m	2.5	1.5 Δ		100mΔ		60n	5C	G005	CN1k
37	JANM38510/10303BAA	24	142m	10u	2.0m§	3.0u§	20u§	14 Δ	3.3m	2.5	1.5 Δ		100mΔ		60n	5C	G005a	FP24
38	JANM38510/10303BAB	24	142m	10u	2.0m§	3.0u§	20u§	14 Δ	3.3m	2.5	1.5 Δ		100mΔ		60n	5C	G005a	FP24
39	JANM38510/10303BAC	24	142m	10u	2.0m§	3.0u§	20u§	14 Δ	3.3m	2.5	1.5 Δ		100mΔ		60n	5C	G005a	FP24
40	JANM38510/10303BGA	24	142m	10u	2.0m§	3.0u§	20u§	14 Δ	3.3m	2.5	1.5 Δ		100mΔ		60n	5C	G005	CN1k
41	JANM38510/10303BGB	24	142m	10u	2.0m§	3.0u§	20u§	14 Δ	3.3m	2.5	1.5 Δ		100mΔ		60n	5C	G005	CN1k
42	JANM38510/10303BGC	24	142m	10u	2.0m§	3.0u§	20u§	14 Δ	3.3m	2.5	1.5 Δ		100mΔ		60n	5C	G005	CN1k
43	JANM38510/10303CAA	24	142m	10u	2.0m§	3.0u§	20u§	14 Δ	3.3m	2.5	1.5 Δ		100mΔ		60n	5C	G005a	FP24
44	JANM38510/10303CAB	24	142m	10u	2.0m§	3.0u§	20u§	14 Δ	3.3m	2.5	1.5 Δ		100mΔ		60n	5C	G005a	FP24
45	JANM38510/10303CAC	24	142m	10u	2.0m§	3.0u§	20u§	14 Δ	3.3m	2.5	1.5 Δ		100mΔ		60n	5C	G005a	FP24
46	JANM38510/10303CGA	24	142m	10u	2.0m§	3.0u§	20u§	14 Δ	3.3m	2.5	1.5 Δ		100mΔ		60n	5C	G005a	FP24
47	JANM38510/10303CGB	24	142m	10u	2.0m§	3.0u§	20u§	14 Δ	3.3m	2.5	1.5 Δ		100mΔ		60n	5C	G005	CN1k
48	JANM38510/10303CGC	24	142m	10u	2.0m§	3.0u§	20u§	14 Δ	3.3m	2.5	1.5 Δ		100mΔ		60n	5C	G005	CN1k
49	LM106F	24	150m	10u	3.0m	3.0u	20u	10	3.3m	2.5	0.0	500m	100m	92	40n	5C		TO85
50	LM106F883	24	160m	10u	3.0m	7.0u	45u	10	3.3m	2.5 †						5C		FP6f
51	LM106H883	24	160m	10u	3.0m	7.0u	45u	10	3.3m	2.5 †						5C		TO99
52	LM206H	24	160m	10u	3.0m	7.0u	45u	10	3.3m	2.5				92 †	40n†	28	G005	TO99
53	LM306H	24 ♦	160m	20u	6.5m	7.5u	40u	10	3.3m	2.5				92 †	40n†	07	G005	TO99
54	LM206F	24	162m	10u	3.0m	7.0u	45u	10	3.3m	2.5	0.0	500m	100m	92 †	40n†	28	G005	FP2
55	LM306F	24	162m	20u	6.5m	7.5u	40u	10	3.3m	2.5	0.0	500m	100m	92 †	40n†	07	G005	FP2
56	AMLM106F883	24 ♦	163m	10u	3.0m	7.0uØ	45u	10	3.3m	2.5			16m	32 †	40n†	5C	G005	FP6f
57	AMLM106F	24 ♦	163m	10u	3.0m	7.0uØ	45u	10	3.3m	2.5			16m	32 †	40n†	5C	G005	TO85
58	AMLM106H883	24 ♦	163m	10u	3.0m	7.0uØ	45u	10	3.3m	2.5			16m	32 †	40n†	5C	G005	TO99
59	AMLM106H	24 ♦	163m	10u	3.0m	7.0uØ	45u	10	3.3m	2.5			16m	32 †	40n†	5C	G005	TO99
60	AMLM206F	24 ♦	163m	10u	3.0m	7.0uØ	45u	10	3.3m	2.5			16m	32 †	40n†	28	G005	FP2
61	AMLM206H	24 ♦	163m	10u	3.0m	7.0uØ	45u	10	3.3m	2.5			16m	32 †	40n†	28	G005	TO99
62	LA106H	24	163m	10u†	3.0m	7.0u	45u		3.3m	2.5			16m	92 †	40n†	5C	G005	CN1c
63	LA206H	24	163m	10u	3.0m	7.0u§	45u	10	3.3m	2.5	0.0		100m	92 †	40n†	28	G005	CN1c
64	SN52106L	24	163m	10u	3.0m	7.0u	45u	10	3.3m	2.5	0.0	500m	100m	92 †	25 †	5C	G005a	TO99
65	SN52106U	24	163m	10u	3.0m	7.0u	45u	10	3.3m	2.5	0.0	500m	100m	92 †	40n†	5C	G005a	Δ004AE
66	AMLM306F	24 ♦	163m	20u	6.5m	7.5uØ	40u	10	3.3m	2.5			16m	32 †	40n†	07	G005	FP2
67	AMLM306H	24 ♦	163m	20u	6.5m	7.5uØ	40u	10	3.3m	2.5			16m	32 †	40n†	07	G005	TO99
68	LA306H	24	163m	20u	6.5m	7.5uØ	40u	10	3.3m	2.5	0.0		100m	92 †	40n†	07	G005	CN1c
69	SN72306L	24	163m	20u	6.5m	7.5u	40u	10	3.3m	2.5	0.0	500m	100m	92 †	40n†	07	G005	TO99
70	SN72306P	24	163m	20u	6.5m	7.5u	40u	10	3.3m	2.5	0.0	500m	100m	92 †	40n†	07	G005	MP267
71	SN72306U	24	163m	20u	6.5m	7.5u	40u	10	3.3m	2.5	0.0	500m	100m	92 †	40n†	07	G005a	Δ004AE
72	LM106H	24 ♦	164m	10u	3.0m	7.0uØ	45u	10	3.3m	2.5	400m§			92 †	40n†	5C	G005	CN1d
73	SN52506J	24	326m	10u	3.0m	3.0u§	45u	10	3.3m	2.5	1.5 §		100m		25n†	5C	G005b	MP139
74	SN52506N	24	326m	10u	3.0m	3.0u§	45u	10	3.3m	2.5	1.5 §		100m		25n†	5C	G005b	MP39h
75	SN72506J	24	326m	20u	6.5m	5.0u§	40u	10	3.3m	2.5	2.0 §		100m		25n†	07	G005b	MP139
76	SN72506N	24	326m	20u	6.5m	5.0u§	40u	10	3.3m	2.5	2.0 §		100m		25n†	07	G005b	MP39h
77	uA750-6A-393*	24	670m				5.0u	19	2.0m	21	0.0	1.5 †	30m		500u	07	G030	MP14v
78	L132ALØ	26	750m		10m	100n	4.0u	10	1.6m	2.4	400m		16m		100n	5C		TO86
79	L132APØ	26	750m		10m	100n	4.0u	10	1.6m	2.4	400m		16m		100n	5C		TO116
80▼	LM161CH	30			2.0m	2.0u	10u		50u					70	15n	07		CN10e
81▼	LM161H	30			2.0m	2.0u	10u		50u					70	15n	07		CN10e
82	ICB8001C	30	30m†	3.0u†	6.0m	250n	500n	20		7.0	200m†		2.0m†	83	200n†	07	G017	TO100
83	ICB8000C	30	30m†	20u†	35m	5.0uØ	5.0nØ	18 §		7.0	200m†		2.0m†	83	200n†	07	G017	TO100
84	AD351K	30	45m†	5.0uØ	6.0m§	100n§	4.0nØ	20		7.0	400m	10k†	2.0m	83		5C	G017	TO100
85	AD351S	30	45m†	10u	6.0m§	100n§	750n	20		7.0	400m	10k†	2.0m	83		5C	G017	TO100
86	AD351J	30	45m†	20uØ	6.0m§	100n§	4.0nØ	20		7.0	400m	10k†	2.0m	83		5C	G017	TO100
87	ICL8001MTZ	30	60m	3.0u†	4.0m	100u	200u	20		7.0	200m†		2.0m	84	250n†	5C	G020	TO100
88	ICL8001CTZ	30	60m	3.0u†	6.0m	100u	300u	20		7.0	200m†		2.0m	84	250n†	07	G020	TO100
89	350C	30	105m	25u	2.0mΔ	10p§	30p§	20		10	10		7.0m	94	100u	28		MP5ab
90	350B	30	105m	40u	2.0mΔ	10p§	30p§	20		10	10		7.0m	94	100u	28		MP5ab
91	350A	30	105m	75u	2.0mΔ	10p§	30p§	20		10	10		7.0m	94	100u	28		MP5ab
92	9051	30	120m	1.0u	30u	10n	100n	20		10	10	100	10m	120	500n	58		MP282

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

9. VOLTAGE COMPARATORS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP@25°C RATED SPECS [1] TOT. VOLT (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX. VOLTAGE [3] DRFT (V/°C)	[4] OFSET (V)	MAX CURRENT OFFSET (A)	BIAS (A)	@25°C MIN CM RANGE (ΔV)	STROBE CUR-MAX (A)	OUTPUT CHAR. @ 25°C MIN. OUTPUT VOLTAGE POS (V)	NEG (V)	MAX. OUT RES. (Ω)	MIN. CURR SINK (A)	W/C TRANSFER CHAR. @25°C VOLT. GAIN (dB)	RESP. TIME (s)	T C E O M D P E -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1▼	HA1-2111	30	123m		4.0m	20n	150n	28 †	3.0m†			30	50m	106 †	200n†	5C		TO116
2▼	HA1-2211	30	123m		4.0m	20n	150n	28 †	3.0m†			30	50m	106 †	200n†	28		TO116
3▼	HA2-2111	30	123m		4.0m	20n	150n	28 †	3.0m†			30	50m	106 †	200n†	5C		TO99
4▼	HA2-2211	30	123m		4.0m	20n	150n	28 †	3.0m†			30	50m	106 †	200n†	28		TO99
5	LM111D	30	123m†		4.0m	20n	150n	28 †						106 †	200n†	5C	G016	MP14r
6	LM111F883	30	123m†		4.0m	20n	150n	28 †						106 †	200n†	5C	G016	FP☑
7	LM111F	30	123m†		4.0m	20n	150n	28 †						106 †	200n†	5C	G016	FP2n
8	LM111H883	30	123m†		4.0m	20n	150n	28 †						106 †	200n†	5C	G016	TO99
9	LM111H	30	123m†		4.0m	20n	150n	28 †						106 †	200n†	5C	G016	TO99
10	LM211D	30	123m†		4.0m	20n	150n	28 †						106 †	200n†	28	G016	MP14r
11	LM211F	30	123m†		4.0m	20n	150n	28 †						106 †	200n†	28	G016	FP2n
12	LM211H	30	123m†		4.0m	20n	150n	28 †						106 †	200n†	28	G016	TO99
13#	MT111	30	132m		4.0m	20n	150n	28 †	3.0m†					106 †	200n†	5C	G016	CN1c
14#	MT211	30	132m		4.0m	20n	150n	28 †	3.0m†					106 †	200n†	28	G016	CN1c
15	uA734-5F-312	30	145m	15u	4.0m	20n	150n	20		7.0	400m		3.2m	88	200n†	5C	G026	TO100
16	uA734-6A-312	30	145m	15u	40m	20n	150n	20		7.0	400m		3.2m	88	200n†	5C	G026a	MP14v
17	uA734-5F-393	30	145m	20u	7.5m	45n	150n	20		7.0	400m		3.2m	88	200n†	07	G026	TO100
18	uA734-6A-393	30	145m	20u	7.5m	45n	150n	20		7.0	400m		3.2m	88	200n†	07	G026a	MP14v
19	uA734-9A-393	30	145m	20u	7.5m	45n	150n	20		7.0	400m		3.2m	88	200m†	07	G026a	MP39d
20	uA734-9T-393	30	145m	20u	7.5m	45n	150n	20		7.0	400m		3.2m	88	200m†	07	G026b	MP48a
21	monoCMP02EJ	30	147m	1.5u†	1.4m	3.0n	80n	26		2.4	400m§	2.5k†	50m	106	175 †	07		TO99
22	monoCMP02EY	30	147m	1.5u†	1.4m	3.0n	80n	26		2.4	400m§	2.5k†	50m	106	175 †	07		TO116
23	monoCMP02J	30	147m	1.5u†	1.6m	4.0n	120n	26		2.4	400m§	2.5k†	50m	106	175 †	5C		TO99
24	monoCMP02L	30	147m	1.5u†	1.6m	4.0n	120n	26		2.4	400m§	2.5k†	50m	106	175 †	5C		TO91
25	monoCMP02Y	30	147m	1.5u†	1.6m	4.0n	120n	26		2.4	400m§	2.5k†	50m	106	175 †	5C		TO116
26	monoCMP01EJ	30	149m	1.5u†	1.4m	45n	950n	24		2.4	400m§	2.5k†	50m	106	150n	07		TO99
27	monoCMP01EY	30	149m	1.5u†	1.4m	45n	950n	24		2.4	400m§	2.5k†	50m	106	150n	07		TO116
28	monoCMP01J	30	149m	1.5u†	1.6m	80n	1.4u	24		2.4	400m§	2.5k†	50m	106	150n	5C		TO99
29	monoCMP01L	30	149m	1.5u†	1.6m	80n	1.4u	24		2.4	400m§	2.5k†	50m	106	150n	5C		TO91
30	monoCMP01Y	30	149m	1.5u†	1.6m	80n	1.4u	24		2.4	400m§	2.5k†	50m	106	150n	5C		TO116
31	AMLM111D	30	157m		4.0m	20n	150n	26		5.0 †	0.0 †			106 †		5C	G018	MP151a
32	AMLM111F	30	157m		4.0m	20n	150n	26		5.0 †	0.0 †			106 †		5C	G018	FP18
33	AMLM111H	30	157m		4.0m	20n	150n	26		5.0 †	0.0 †			106 †		5C	G018	TO99
34	AMLM211D	30	157m		4.0m	20n	150n	26		5.0 †	0.0 †			106 †		28	G018	MP151a
35	AMLM211H	30	157m		4.0m	20n	150n	26		5.0 †	0.0 †			106 †		28	G018	TO99
36	monoCMP01CJ	30	161m	1.0u†	3.5m	120n☑	1.2u☑	26		2.4	400m§	2.5k†	50m	100 †	110n†	07	G023	TO99
37	monoCMP01CP	30	161m	1.0u†	3.5m	120n☑	1.2u☑	26		2.4	400m§	2.5k†	50m	100 †	110n†	07	G022	TO116
38	monoCMP02CJ	30	161m	1.6u†	3.5m	15n	160n	26		2.4	400m§	2.5k†	50m	100	175 †	07		TO99
39	monoCMP02CY	30	161m	1.6u†	3.5m	15n	160n	26		2.4	400m§	2.5k†	50m	100	175 †	07		TO116
40▼	LH2111DØ	30	180m		4.0m	20n	150n	28 †	3.0m†					106 †	200n†	5C	G034	MP230a
41▼	LH2111FØ	30	180m		4.0m	20n	150n	28 †	3.0m†					106 †	200n†	5C	G034	FP28
42▼	LH2211DØ	30	180m		4.0m	20n	150n	28 †	3.0m†					106 †	200n†	28	G034	MP230a
43▼	LH2211FØ	30	180m		4.0m	20n	150n	28 †	3.0m†					106 †	200n†	28	G034	FP28
44▼	LM111P	30	187m		4.0m	20n	150n	28 †Δ	3.0m†				200p†	106	200n†	5C	G016	MP39k
45	AMLM311D	30	187m		10m	70n	300n	26		30	30			106 †		07	G018	MP151a
46	AMLM311H	30	187m		10m	70n	300n	26		30	30			106 †		07	G018	TO99
47	LM311D	30	187m		10m	70n	300n	28						106 †	200n†	07	G016	MP14r
48	LM311F	30	187m		10m	70n	300n	28						106 †	200n†	07	G016	FP2n
49	LM311H	30	187m		10m	70n	300n	28						106 †	200n†	07	G016	TO99
50▼	LM311N	30	187m		10m	70n	300n	28						106	200n	07	G016	MP189
51▼	LM311P	30	187m		10m	70n	300n	28 †Δ	3.0m†				200p†	106	200n†	07	G016	MP39k
52	H8010C	30	195m	10u	Δ	50n	250n	20						86		28		MP5ad
53▼	LH2311DØ	30	225m		10m	70n	300n	28 †	3.0m†					106 †	200n†	07	G034	MP230a
54▼	LH2311FØ	30	225m		10m	70n	300n	28 †	3.0m†					106 †	200n†	07	G034	FP28
55▼	LM119D883	30	240m		7.0m	100n	1.0u	26 †					3.2m	80	130n	5C	G035	MP148
56▼	LM119D	30	240m		7.0m	100n	1.0u	26 †					3.2m	80	130n	5C	G035	MP148
57▼	LM119F883	30	240m		7.0m	100n	1.0u	26 †					3.2m	80	130n	5C	G035	FP18
58▼	LM119F	30	240m		7.0m	100n	1.0u	26 †					3.2m	80	130n	5C	G035	FP18
59▼	LM119H883	30	240m		7.0m	100n	1.0u	26 †					3.2m	80	130n	5C	G035	CN10e
60▼	LM119H	30	240m		7.0m	100n	1.0u	26 †					3.2m	80	130n	5C	G035	CN10e
61▼	LM219D	30	240m		7.0m	100n	1.0u	26 †					3.2m	80	130n	28	G035	MP148
62▼	LM219F	30	240m		7.0m	100n	1.0u	26 †					3.2m	80	130n	28	G035	FP18
63▼	LM219H	30	240m		7.0m	100n	1.0u	26 †					3.2m	80	130n	28	G035	CN10e
64	AM150031E	30	255m		4.0m	20n	150n	26		5.0 †	0.0 †			106 †		5C	G018	MP230
65	AM150031N	30	255m		4.0m	20n	150n	26		5.0 †	0.0 †			106 †		5C	G018	FP19
66	AM150032E	30	255m		4.0m	20n	150n	26		5.0 †	0.0 †			106 †		5C	G018	MP230
67	AM150032N	30	255m		4.0m	20n	150n	26		5.0 †	0.0 †			106 †		5C	G018	FP19
68▼	HA1-2311	30	255m		10m	70n	300n	28 †	3.0m†			30	50m	106 †	200n†	07		TO116
69▼	HA2-2311	30	255m		10m	70n	300n	28 †	3.0m†			30	50m	106 †	200n†	07		TO99
70▼	LM319D	30	262m		10m	300n	1.2u	26 †					3.2m	78	130n	07	G037	MP148
71▼	LM319F	30	262m		10m	300n	1.2u	26 †					3.2m	78	130n	07	G037	FP18
72▼	LM319H	30	262m		10m	300n	1.2u	26 †					3.2m	78	130n	07	G037	CN10e
73▼	LM319N	30	262m		10m	300n	1.2u	26 †					3.2m	78	130n	07	G037	MP39
74♦	9052	30	330m	10u	5.0mΔ	3.0u	3.0u	20		2.5	300m	100	30m	86	60n	58		MP5bk
75▼	4032-12C	30	360m		2.0m§	80n	700n	20		40	0.0	3.0 †	100m		2.0m	28		MP5bz
76▼	4082-03	30	360m	30u	10m§	80n	700n	20		40	0.0	5.0 †	100m		7.0u	28		MP310a
77	9050	30	360m	100u	Δ	20u	50u	2.0		10	0.0	100	10m	60	5.0n	58		MP268
78	RM4441D*§	30 §♦	400m					20	1.5m	7.0	400m§		15M		30n*	5C	G014	MP40
79▼	4115-04	30	450m	30u	2.0m§			20		30	0.0	3.0 †	200m		300u	28		MP310
80	SG111M	30	500m†		4.0m	20n	150n	28 †						106 †	200n	28	G031	MP189a
81	SG111T	30	500m†		4.0m	20n	150n	28 †						106 †	200n†	5C	G031	TO99
82	SG211M	30	500m†		4.0m	2.0n	150n	28 †						106 †	200n	28	G031	MP189a
83	SG211T	30	500m†		4.0m	20n	150n	28 †						106 †	200n†	28	G031	TO99
84	SG311M	30	500m†		10m	70n	300n	28 †						106 †	200n	07	G031	MP189a
85	SG311T	30	500m†		10m	70n	300n	28 †						106 †	200n†	07	G031	TO99
86▼	4022-25	30	525m	200u	2.0m§			20		10	500m					28		MP290g
87#	SFC2111M	36	135m		3.0m	10n	100n	28						106	200n	5C	G016	TO99
88#	SFC2211	36	135m		3.0m	10n	100n	28						106	200n	28	G016	TO99
89#	SFC2311	36	135m		7.5m	50n	250n	28						106	200n	07	G016	TO99
90	770-724	48	480m	50u	500uΔ	50n	600n	12		12	0.0	1.0k		100	1.0uØ			MP105

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1) USE (2) TOTAL VOLTAGE (3) MAX IDLE POWER & (4) TYPE No.

LINE No.	4 TYPE No.	1 USE	PWR SUP @25°C RATED SPECS 2 TOT. VOLT. (ΔV)	3 MAX. IDLE P (W)	MIN. INPUT CHAR. @25°C IMPED-ANCE (Ω)	VOLT RANGE (ΔV)	OUTPUT CHAR. @25°C MAX. IMP. (Ω)	MIN VOLT RANGE (ΔV)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO	GENERAL DESCRIPTION
1#	TAA960	1	6.0	250m	25k	4.0	9.0k	10	56			Tri-Amp for Filter;Gvf39dB;Ro 500Ωper Amplifier.
2	NC260	1	12	150m	300k	15	25	16	5C	Z004	CN17a	Gv .95*;BW 20MHz*;RL 1.0kΩt.
3	PC260	1	12	150m	300k	15	25	16	5C	Z004	FP7a	Gv .95*;BW 20MHz*;RL 1.0kΩt.
4	HIC037	1	24	240m	180k		10	20	5C	Z003	CN1m	3dB BW 30MHz*;THD .1%;Icc ±10mA.
5▼	HX0002	1	24	240m	180k	100 *	10	20	5C	Z003	CN11c	BW 30MHz;Gv .95.
6▼	HX0002C	1	24	240m	180k	100 *	10	20	07	Z003	CN11c	BW 30MHz;Gv .95.
7	NH0002	1	24	240m	180k	100 *	10	20	5C	Z003	CN11c	BW 30MHz*;RI 1.0 ΩΔ;Gv .95*.
8	NH0002-883	1	24	240m	180k	100 *	10	20	5C	Z003	CN11c	BW 30Hz*;RI 1.0ΩΔ;Gv .95*.
9	NH0002C	1	24	240m	180k	100 *	10	20	07	Z003	CN11c	BW 30MHz*;RI 1.0 ΩΔ;Gv .95*.
10	NC0002	1	24	600m	180k	24	10	20	5C	Z003	CN1k	Gv .95*;BW 30MHz*;RL 1.0kΩt.
11	NC0002C	1	24	600m	180k	24	10	20	07	Z003	CN1k	Gv .95*;BW 30MHz*;RL 1.0kΩt.
12	123K	1	25 §	125m	1.0G	75	100	15	25		MP194	Neg.Pol;Freq. 200kHz;Acc 1.0%;No 100dB.
13	123L	1	25 §	125m	1.0G	75	100	15	25		MP193e	Neg.Pol;Freq. 200kHz;Acc 1.0%;No 100dB.
14	125K	1	25 §	125m	1.0G	75	100	15	25		MP194	Pos.Pol;Freq. 200kHz;Acc 1.0%;No 100dB.
15	125L	1	25 §	125m	1.0G	75	100	15	25		MP193e	Pos.Pol;Freq. 200kHz;Acc 1.0%;No 100dB.
16	9001	1	30	5.0m	1.0G		30m	20	57			Buffer Amplifier.
17▼	HA2-2000	1	30	51m	1.0Gt	20 t		20 t	5C		TO99	FET Inp.Preamp;Vos 25mV;BW10MHz;CMRR 80db.
18▼	HA2-2000A	1	30	51m	1.0Gt	20 t		20 t	5C		TO99	FET Inp.Preamp;Vos 12mV;BW 10MHz;CMRR 80db.
19▼	HA2-2005	1	30	51m	1.0Gt	20 t		20 t	07		TO99	FET Inp.Preamp;Vos 55mV;BW 10MHz;CMRR 70db.
20▼	HA2-2005A	1	30	51m	1.0Gt	20 t		20 t	07		TO99	FET Inp.Preamp;Vos 25mV;BW 10MHz;CMRR 80db.
21	H6030	1	30	60m	3.0M	40 t	45	20	4A		MP6h	Gv .95*;BW 13MHz*;SR 75V/us*;RI 500 Ω.
22	B10	1	30	120mt		30 Δ		20	06		MP5ac	Booster Amp;Gv .95V/V;BW 6.0M;SR 40V/uS*.
23#	MT102	1	30	120m	10G	30 Δ	2.5	20	5C	A002	CN1c	Volt.follower;T.C 6.0uV/°C;Gv .999*.
24	9910	1	30	150m	1.0M	20	20	20	5C			Gv .97;SR 2kV/us;BW 60MHz;Δlo 200mA.
25	FO201	1	30	150m	100Gt	22 t	10mt	20 t	28		MP5aj	Gv 1.0t;BW 1.0MHzt;SR 1.5V/ust;Δlo 40mAt.
26	FO202	1	30	150m	100Gt	22 t	10mt	20 t	28		MP5aj	Gv 1.0t;BW 2.0MHzt;SR 3.0V/ust;Δlo 40mAt.
27	FO203	1	30	150m	100Gt	22 t	10mt	20 t	28		MP5aj	Gv 1.0t;BW 5.0MHzt;SR 7.5V/ust;Δlo 40mAt.
28	FO204	1	30	150m	100Gt	22 t	10mt	20 t	28		MP5aj	Gv 1.0t;BW 10MHzt;SR 15V/ust;Δlo 40mAt.
29	FO205	1	30	150m	100Gt	22 t	10mt	20 t	28		MP5aj	Gv 1.0t;BW 15MHzt;SR 25V/ust;Δlo 40mAt.
30	FO206	1	30	150m	100Gt	22 t	10mt	20 t	28		MP5aj	Gv 1.0t;BW 20MHzt;SR 40V/ust;Δlo 40mAt.
31	AMLM110D	1	30	165m	10k	4.0m*	2.5	20	5C	Z239	MP151a	Volt.Follower;Gv .999;BW 20MHz;SR 30V/ust.
32	AMLM110F	1	30	165m	10k	4.0m*	2.5	20	5C	Z239	TO91	Volt.Follower;Gv .999;BW 20MHz;SR 30V/ust.
33	AMLM110H	1	30	165m	10k	4.0m*	2.5	20	5C	Z239	TO99	Volt.Follower;Gv .999;BW 20MHz;SR 30V/ust.
34	AMLM210D	1	30	165m	10k	4.0m*	2.5	20	28	Z239	MP151a	Volt.Follower;Gv .999;BW 20MHz;SR 30V/ust.
35	AMLM210F	1	30	165m	10k	4.0m*	2.5	20	28	Z239	TO91	Volt.Follower;Gv .999;BW 20MHz;SR 30V/ust.
36	AMLM210H	1	30	165m	10k	4.0m*	2.5	20	28	Z239	TO99	Volt.Follower;Gv .999;BW 20MHz;SR 30V/ust.
37	AMLM310D	1	30	165m	10k	7.5m*	2.5	20	07	Z239	MP151a	Volt.Follower;Gv .999;BW 20MHz;SR 30V/ust.
38	AMLM310F	1	30	165m	10k	7.5m*	2.5	20	07	Z239	TO91	Volt.Follower;Gv .999;BW 20MHz;SR 30V/ust.
39	AMLM310H	1	30	165m	10k	7.5m*	2.5	20	07	Z239	TO99	Volt.Follower;Gv .999;BW 20MHz;SR 30V/ust.
40	LA102H	1	30	165m	10G	30	2.5	20	5C	Z046	CN1c	GV .999;SR 10V/US Tc 6.0uV/°C IS 5.5mA.
41	LA202H	1	30	165m	10G	30	2.5	20	28	Z047	CN1c	GV .999;SR 10V/US; TC 15uV/°C.
42	LA302H	1	30	165m	1.0G	30	2.5	20	07	Z046	CN1c	Gv.99;RL8.0kΩ;Vo15mVΔ;Ii50nAΔ.
43▼	LH2110D	1	30	165m	10G	30 Δ	2.5	20	5C	Z274	MP230a	Inp Vos 6.0mVΔ;Gv .999V/V*;Inp. Biasl 10nAΔ.
44▼	LH2110F	1	30	165m	10G	30 Δ	2.5	20	5C	Z274	FP28	Inp Vos 6.0mVΔ;Gv .999V/V*;Inp. Biasl 10nAΔ.
45▼	LH2210D	1	30	165m	10G	30 Δ	2.5	20	28	Z274	MP230a	Inp Vos 6.0mVΔ;Gv .999V/V*;Inp. Biasl 10nAΔ.
46▼	LH2210F	1	30	165m	10G	30 Δ	2.5	20	28	Z274	FP28	Inp Vos 6.0mVΔ;Gv .999V/V*;Inp. Biasl 10nAΔ.
47▼	LH2310D	1	30	165m	10G	30 Δ	2.5	20	07	Z274	MP230a	Inp Vos 10mVΔ;Gv .999V/V*;Inp. Biasl 10nAΔ.
48▼	LH2310F	1	30	165m	10G	30 Δ	2.5	20	07	Z274	FP28	Inp Vos 10mVΔ;Gv .999V/V*;Inp. Biasl 10nAΔ.
49	LM102F	1	30	165m	10G	30 Δ	2.5	20	5C	A122	FP2m	Gv .999*;SR 10V/us*;RL 10kΩ.
50	LM102H	1	30	165m	10G	30 Δ	2.5	20	5C	A122	TO99	Gv .999*;SR 10V/us*;RL 10kΩ.
51	LM202H	1	30	165m	10G	30 Δ	2.5	20	28	A122	TO99	Gv .999*;SR 10V/us*;RL 10kΩ.
52	LM302H	1	30	165m	10G		2.5		07	Z046	TO99	GV.9985* FP BW SR 10V/USt RL8kΩ.
53	MLM210G	1	30	165m	10G		2.5	20	28	Z235	TO99	GV .999*,BW 20MHzt;SR 30V/ust.
54	MLM310G	1	30	165m	10G		2.5	20	07	Z235	TO99	Gv .999*;BW 20MHzt;SR 30V/ust.
55#	MT102-883	1	30	165m		30 Δ	2.5	20	5C		CN1c	Volt.follower;Gv .999*;Vos 5.0mVΔ.
56#	MT202	1	30	165m	10G	30 Δ	2.5	20	28	A002	CN1c	Volt.follower;Gv .999*;Vos 10mVΔ.
57#	MT302	1	30	165m	1.0G	30 Δ	2.5	20	07	A002	CN1c	Volt.follower;Gv .998*;Vos 15mVΔ.
58	9714	1	30	240m	1.0T	20	3.0m	20	58		MP6q	Gv 1.0;BW 20MHz;SR 15V/us;ΔIO 80mA.
59▼	9905	1	30	240m	100G	20	10	20	6C		MP316	Volt.Follower;Gv .97;BW 20MHz;SR 1000V/uS;Δlo200mA
60	H6050	1	30	240m	1.0M	48 t	15	20	4A		MP42b	Gv .90*;BW 15MHz*;SR 100V/us*;RI100 Ω.
61	9110B	1	30	300m	100k	24	10	20 t	58		MP☑	Current Booster;Voltage Gain .97;SR 900V/uS.
62	9746	1	30	300m	100G	20	30	20	5A		MP86a	Gv 1.0;BW 30MHz;SR 600V/us;ΔIO 100mA.
63	9810	1	30	300m	100k	24	10	20	58		MP268	Booster;Voltage Gain .95;SR 900V/us.
64	10L3LB	1	30	450mt	250k		200 *	20	58		MP111a	Gv 900m*;RL 100Ω.
65	3329/03	1	30	450m	100kt	20	10 t	20	48		MP119	Gv 1.0Vt;FPBW 500kHz*;RI 100mΩ.
66	9162B	1	30	450m	10k	26	10	20	58		MP☑	Current Booster;Voltage Gain .90;SR 1.8kV/us.
67	BQ100	1	30	450m	300k		3.0	20	25		MP5	Gv .95*;FP BW 400kHz*;SR 35V/us;RI 100 Ω.
68	MC1438R	1	30	450m	400kt	18	10 t	22	07	Z037	CN30	Gv 850mV*;BW 8.0MHzt;FP BW 1.5MHzt;RL 300Ω.
69	1490	1	30	600m	20k		400 *	20	28		MP5y	Gv .85*;FP BW 100kHzt;SR 50V/usec;RI 50 Ω*.
70	HFB7	1	30	600m	100Gt	30	10	20	59	Z099	CN2g	BW 100MHz*;SR 1.0k V/us*.
71#	2022	1	30	750m	5.0k	26	1.0	26	08	Z228	MP295	Gv .99;BW 1.0MHz;Overload Protected.
72#	3022	1	30	750m	5.0k	26	1.0	26	08	Z228	MP295	Gv .99;BW 1.0MHz.
73	9820	1	30	750m	500k	20	10	20	58		MP5bk	Gv .99;SR 4kV/us;BW 100MHz;Δlo 200mA.
74	1620	1	30	1.2	20k		200	20	28		MP5y	Gv .90*;FP BW 300kHzt;SR 50V/usec;RI 100 Ω*.
75	9510	1	30	1.2	10k	24	10	20	57		MP86a	Current Booster;Voltage Gain .95;SR 2.0kV/us.
76	9689	1	30	1.2	30k	24	5.0	20	5B		MP☑	Current Booster;Voltage Gain .90;SR 300V/us.
77	9690	1	30	1.2	1.0M	22	3.0	20 t	27			Gv 1.0;BW 10MHz;SR 100V/uS;Δlo 6.0A.
78	9690A	1	30	1.2	1.0M	22	300m	20	58		MP☑	Booster;Voltage Gain .85;SR100V/us.
79	2001	1	30	1.6	800k	32	2.0	20	26		MP124	Gv 900m*;FPBW 80kHz*;SR 10V/us;RL20Ω.
80	9691A	1	30	2.2	1.0M	22	100m	20	58		MP☑	Booster;Voltage Gain .80;SR 20V/us.
81	LM310D	1	36	198m	750mt				07	A122	MP14r	GV.999* BW3db20MHZt SR30V/USt RL10kΩ.
82	LM310F	1	36	198m	750mt				07	A122	FP2n	GV.999* BW3db20MHZt SR30V/USt RL10kΩ.
83	LM310H	1	36	198m	750mt				07	A122	TO99	GV.999* BW3db20MHZt SR30V/USt RL10kΩ.
84	MC1538R	1	40	300m	400kt	22	10 t	24	5C	Z037	CN30	Gv 900mV*;BW 8.0MHzt;FP BW 1.5MHzt;RL 300Ω.
85	866	1	40	1.4	4.0kt	40 Δ	10	56	5C	E006a	MP156	Freq. 40Mt;Gain -100mΩ*.
86	770-406-1	1	44	1.4	10G	20	100m	20	05		MP43	Gv 1.0t;FP BW 2.0M*;SR 175V/usec*;RI 1.0kΩ*.
87	770-406-2	1	44	1.4	10G	20	300m	20	05		MP43	Gv 10Ø;FP BW 2.0M*;SR 175V/usec*;RI 1.0kΩ*.
88	770-406-3	1	44	1.4	10G	20	300m	20	05		MP43	Gv 10;FP BW 2.0M*;SR 175V/usec*;RI 1.0kΩ*.
89	823	1	60	1.6	4.0k	60 Δ	10	56	5C	E037	MP197	Freq. 4.0M*;Gain -100mΩ*.
90	9800	1	160	160m	10k	150	3.0	150	27		MP210	Gv .85;BW 10MHz;SR 30V/uS;Δlo 2.0A.
91	SN56502J	2	12	201m	500 t	1.0	200 t	5.4	5C	Z143	MP153	Bandwidth DC to 40MHz.
92	SN56502N	2	12	201m	500 t	1.0	200 t	5.4	5C	Z143	MP252c	Bandwidth DC to 40MHz.
93	SN76502J	2	12	201m	500 t	1.0	200 t	5.4	07	Z143	MP153	Bandwidth DC to 40MHz.
94	SN76502N	2	12	201m	500 t	1.0	200 t	5.4	07	Z143	MP252c	Bandwidth DC to 40MHz.
95▼	A730	2	30				1.0k	20	28	A175	MP5bg	Log Amp;Vo±10V,Ioffset ±10pA;Pos.Volt.or Cur.
96▼	A731	2	30				1.0k	20	28	A175	MP5bg	Log Amp;Vo±10V,Ioffset ±10pA;Neg.Volt.or Cur.
97▼	A4350	2	30			10		20	28	Z175	MP5bg	Io ±10mA;Positive volt or current;Ios ±50pA.
98▼	A4351	2	30			10		20	28	Z175	MP5bg	Io ±10mA;Neg.volt or current;Ios ±50pA.
99	2537	2	30	120m			1.0	1.8	58		MP86a	Log Range 140dB;ΔI; 100nA to 1.0A.
100	4350	2	30	120m		10		20	28		MP68	Mod;Rng 80dB;Acc 2.0%*;Tc .04%/°C*;BW 80Hz.
101	4351	2	30	120m		10		20	28		MP68	Mod;Rng 80dB;Acc 2.0%*;Tc .04%/°C*;BW 80Hz.
102	2457	2	30	150m	500k	60		20	58		MP☑	Dynamic Range 100db;Error ±3.0%Δ;Freq. 30Hz.
103	2536	2	30	150m			500	1.7	27		MP86a	Log Range 200dB;ΔI;1.0pA to 10mA.
104	369	2	30	270m	260	10m	1.0	1.0m	57		MP☑	Dyn.Range 80dB;Tc 2mV/°C;BW DC to 1MHz.
105	1896	2	30	360m	20kt	20	100	20 t	08		MP5ay	Rng. 80db;Acc. 1%t;Tc 70m%/°C;BW 70kHz.
106	2507	2	30	450m	10k	20	10	14	58		MP☑	Log Range 80db;Acc. 1.0%t;BW 10kHz.
107	395	2	30	510m	5.0k	250m	1.0	1.0m	58		MP☑	Dyn.Range 80dB;Tc .05%FS/°C;BW DC to 100kHz.
108	4116	2	30	660m	100k	10	10 t	20	07		MP290g	Log Amplifier, 120dB.
109	2538	2	30	690m	100k	20	100m	20	58	•	MP6q	Log Range 80dB;Acc 2.0%;BW 1.0kHz.
110	376	2	30	750m		400m	30	1.0m	57		MP☑	Dyn.Range 80dB;Tc 2mV/°C;BW DC to 3MHz.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

LINE No.	4 TYPE No.	1 USE	PWR SUP @25°C RATED SPECS 2 TOT. VOLT. (ΔV)	3 MAX. IDLE P (W)	MIN. INPUT CHAR. @25°C IMPED-ANCE (Ω)	VOLT RANGE (ΔV)	OUTPUT CHAR. @25°C MAX. IMP. (Ω)	MIN VOLT RANGE (ΔV)	T C M P -+	E O D E	DRAWINGS CKT.	OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	2245C	2	30	750m	10G	1.0m	1.0	4.0	27			MP☑	Dyn.Range 80dB;Tc .04%FS/°C;BW DC to 3kHz.
2	2357	2	30	750m	100		30	400m	57			MP☑	Dyn.Range 8dB;Tc 2mV/°C;BW DC to 6MHz.
3	2534	2	30	750m	30M	20	1.0	20	58			MP210	Log Range 100dB;Acc 3.0%;BW 100kHz.
4	2531	2	30	1.9	1.0k	20	1.0	20	27			MP☑	Log Range 80db;Acc. 1.0%†;BW 1.0MHz.
5	2540	2	30	3.7	600	20	20	20	57			MP270	Log Range 100dB;Acc 3.0%;BW 5MHz.
6	509	3											Hybrid Microcircuit Analog Multiplier.
7	SG1402N§	3	10 §	85m	1.2k†		200	3.0	07	E039		MP39a	Balanced Modulator, Frequency Doubler.
8	SG1402T§	3	10 §	85m	1.2k†		200	3.0	5C	E039		TO100	Balanced Modulator, Frequency Doubler.
9	SG2402N§	3	10 §	85m	1.2k†		200	3.0	07	E039		MP39a	Balanced Modulator, Frequency Doubler.
10	SG2402T§	3	10 §	85m	1.2k†		200	3.0	5C	E039		TO100	Balanced Modulator, Frequency Doubler.
11	SG3402N§	3	10 §	85m	1.2k†		300	3.0	07	E039		MP39a	Balanced Modulator, Frequency Doubler.
12	SG3402T§	3	10 §	85m	1.2k†		300	3.0	5C	E039		TO100	Balanced Modulator, Frequency Doubler.
13	AD530LH	3	30						07			TO99	Also Divider;Squarer and Square-Rooter.
14▼	4201J	3	30	120m	36k†	20 †	1.0 †	20	06			TO100	Acc 2.0%;Tc 400uV/°C;BW 3db 1MHz;Δlo 5.0mA.
15	432J#1	3	30	135m	10k	20	100m	20	28			MP222	ACC 1.0%;FpBW 750kHZ;3dB 1.0MHz;lo 5.0mA.
16	5887	3	30	135m	10M	20	1.0	20	28				Multiplication and Squaring;SR 1.5V/us.
17	426J#1	3	30	150m	25k	20	100m	22	28			MP80	Acc. 1.0%;FP BW 100kHz;3dB 500kHz;Δlo 11mA.
18	426K#1	3	30	150m	25k	20	100m	22	28			MP80	Acc. 1.0%;FP BW 100kHz;3dB 500kHz;Δlo 11mA.
19	428J#1	3	30	150m	25k	20	100m	22	28			MP80	Acc .50%;FPBW 70kHz;3dB 300kHz;lo 11mA.
20	428K#1	3	30	150m	25k	20	100m	22	28			MP80	Acc .50%;FPBW 70kHz;3dB 300kHz;lo 11mA.
21▼	4202A	3	30	150m	10k†	20 †	1.0 †	20	28			MP311	Acc 1.0%;Tc 400uV/°C;BW 3db 1MHz;Δlo 5.0mA.
22▼	4202B	3	30	150m	10k†	20 †	1.0 †	20	28			MP311	Acc 600m%;Tc 400uV/°C;BW 3db 1MHz;Δlo 5.0mA.
23	uA795-6A-393	3	30	170m	20Mt	21	300k	21 †	07	Z088		MP14v	Four quadrant;Pd 500mW;Linearity Error 1.0%.
24	AD530J	3	30	180m	36k†	20	2.0kØ	20	07			TO100	Also Divider;Squarer and Square-Rooter.
25	AD530K	3	30	180m	36k†	20	2.0kØ	20	07			TO100	Also Divider;Squarer and Square-Rooter.
26	ICL8013A	3	30	180m	36k	20	2.0k	20	07			TO100	4 Quad. Mult;Div;Sq;Sq. Rooter w/2.0% Accuracy.
27	ICL8013B	3	30	180m	36k	20	2.0k	20	07			TO100	4 Quad Mult;Div;Sq;Sq. Rooter w/1.0% Accuracy.
28	ICL8013C	3	30	180m	36k	20	2.0k	20	07			TO100	4 Quad. Mult;Div;Sq;Sq. Rooter w/.5% Accuracy.
29	AD530JH	3	30	200m	6.0M	10		10	07			TO100	2% max.error;xy/10 Multiplier with OP AMP.
30	AD530KH	3	30	200m	6.0M	10		10	07			TO100	1% max.error;xy/z Multiplier w/OP AMP.
31	AD530SH	3	30	200m	6.0M	10		10	5C			TO100	1% max.error;xy/z Multiplier w/OP AMP.
32	CA3091D	3	30	200m	500		1.0Mt	12	5C	Z193		Δ001AD	Four Quadrant;Acc 2.6% of 10V;BW 4.8MHz;Tc 63nA/°C
33▼	CA3091H	3	30	200m	500		1.0Mt	12	5C	Z193		FC16x	Four Quadrant;Acc 2.6% of 10V;BW 4.8MHz;Tc 63nA/°C
34▼	107CΔ	3	30	210m	10k	20			07			MP150	Also Divider;Acc 1%FSΔ;IO 10mA*.
35▼	107C-MIL	3	30	210m	10k	20			5C			MP150	Also Divider;Acc 1%FSΔ;IO 10mA*.
36	MC1594L	3	30	260m	300Mt	20	850kt	20	5C	Z136		MP104a	Four-Quadrant;1.0MHz Frequency Response.
37▼	4203J	3	30	270m	10k†	20 †	1.0 †	20	06			TO100	Acc 1.0%;Tc 400uV/°C;BW 3db 1MHz;Δlo 5.0mA.
38▼	4203K	3	30	270m	10k†	20 †	1.0 †	20	06			TO100	Acc 600m%;Tc 400uV/°C;BW 3db 1MHz;Δlo 5.0mA.
39▼	4203S	3	30	270m	10k†	20 †	1.0 †	20	06			TO100	Acc 600m%;Tc 400uV/°C;BW 3db 1.oMHz;Δlo 5.0mA.
40▼	4203SQ	3	30	270m	10k†	20 †	1.0 †	20	5C			TO100	4023S plus Mil-Std-883 screening.
41	5898	3	30	270m	50k	20	1.0	20	5A			MP282	Acc 1.0%;Tc .01%/°C;BW 3dB 300kHz;Δlo 20mA.
42	422J	3	30	300m	10k	20	3.0	20	05			MP80	Accuracy 1.0% BW FP 1.0MHz,3dB,5.0MHz;ΔIO-20mA.
43	422K	3	30	300m	10k	20	3.0	20	05			MP80	Accuracy 1.0% BW FP 1.0MHz,3dB,5.0MHz;ΔIO-20mA.
44	MU4010	3	30	330m	10M	20	1.0	20	27			MP5s	Acc. 5%;Tc 3.0mV/°C;FP BW 100kHz;Δlo 10mA.
45	MU4020	3	30	330m	10M	20	1.0	20	27			MP5s	Acc. 2%;Tc 3.0mV/°C;FP BW 150kHz;Δlo 10mA.
46	MU4030	3	30	330m	10M	20	1.0	20	27			MP5s	Acc. 1%;Tc 3.0mV/°C;FP BW 200kHz;Δlo 10mA.
47	MU4040	3	30	330m	10M	20	1.0	20	27			MP5s	Acc. .50%;Tc 3.0mV/°C;FP BW 200kHz;Δlo 10mA.
48	MU4050	3	30	330m	10M	20	1.0	20	27			MP5s	Acc. .25%;Tc 3.0mV/°C;FP BW 200kHz;Δlo 10mA.
49	MU4060	3	30	330m	10M	20	1.0	20	27			MP5s	Acc. .10%;Tc 3.0mV/°C;FP BW 1.0MHz;Δlo 10mA.
50	MC1494L	3	30	350m	300Mt	20	850kt	20	07	Z136		MP104a	Four-Quadrant;1.0MHz Frequency Response.
51	405A	3	30	360m	1.0M	20		20	28			MP260	Acc 1%;3dB Small Signal 600kHz*.
52	405B	3	30	360m	1.0M	20		20	28			MP260	Acc 2%;3dB Small Signal 600kHz*.
53	ZM605	3	30	360mt	50k	20	1.0	20	28			MP138	Four Quadrant Acc. 1.0%;BW 3dB;tracking .10%.
54	4095-15	3	30	375mt	1.0Mt	20 †	1.0 †	20 †	28			MP287d	Transconductance Multiplier.
55	4096-15	3	30	375mt	1.0Mt	20 †	1.0 †	20 †	28			MP287d	Transconductance Multiplier.
56	4097-25	3	30	375mt	1.0Mt	20 †	1.0 †	20 †	26			MP290f	Transconductance Multiplier.
57	4098-25	3	30	375mt	1.0Mt	20 †	1.0 †	20 †	26			MP290f	Transconductance Multiplier.
58	4094-15C	3	30	390m	20k†	20 †	3.0	20 †	28			MP299	Wideband Transconductance Multiplier.
59	420	3	30	450m	20k	20	3.0	20	28			MP80	Accuracy .50% BW FP 50kHz,3dB,250kHz;ΔIO-4.0mA.
60	5897	3	30	450m	10M	20	1.0	20	58			MP268a	Acc 1.0%;Tc 1.0mV/°C;BW 3dB 2.5MHz;Δlo 20mA.
61	424J	3	30	480m	10k	20	100m	20	28			MP155a	Acc .10%;FPBW 40kHz;3dB 100kHz;lo 7.0mA.
62	424K	3	30	480m	10k	20	100m	20	28			MP155a	Acc .05%;FPBW 40kHz;3dB 100kHz;lo 7.0mA.
63	425J	3	30	480m	10k	20	100m	20	28			CB☑	Acc .10%;FPBW 40kHz;3dB 100kHz;lo 7.0mA.
64	425K	3	30	480m	10k	20	100m	20	28			CB☑	Acc .05%;FPBW 40kHz;3dB 100kHz;lo 7.0mA.
65	427J#1	3	30	480m	10k	20	100m	20	28			MP155a	Acc .15%;FPBW 30kHz;3dB 100kHz;lo 7.0mA.
66	427K#1	3	30	480m	10k	20	100m	20	28			MP155a	Acc .25%;FPBW 30kHz;3dB 100kHz;lo 7.0mA.
67▼	5050	3	30	540m	4.0k	20		20	59			MP213	Current Output;FPBW 30MHz;Acc 3.0%;Tc 1.0mV/°C.
68	MU401	3	30	600m	1.5k†	20 †	10mt	20 †	28			MP61	Acc 1.0%†; BW FP 50kHz†; Δlo 40mA†.
69	MU402	3	30	600m	1.5k†	20 †	10mt	20 †	28			MP61	Acc .50%†; BW FP 100kHz†; Δlo 40mA†.
70	MU403	3	30	600m	1.5k†	20 †	10mt	20 †	28			MP61	Acc .25%†;BW FP 300kHz†;Δlo 40mA†.
71	MU404	3	30	600m	1.5k†	20 †	10mt	20 †	28			MP61	Acc .10%†;BW FP 500kHz†;Δlo 40mA†.
72	MU405	3	30	600m	1.5k†	20 †	10mt	20 †	28			MP61	Acc .05%†;BW FP 800kHz†;Δlo 40mA†.
73	MU407	3	30	600m	1.5k†	20 †	10mt	20 †	28			MP61	Acc .05%†;BW FP 1.0MHz†;Δlo 40mA†.
74	ZM606	3	30	600mt	6.0k	20	1.0	20	28			MP155	Transconductance Mult;Acc .500%;BW 3dB.
75	5822B	3	30	750m	4.0k	10	1.0k	20	58				Multiplication and Squaring;SR 500V/us.
76	4200	3	30	840m	25k†	20 †	1.0 †	20	28			MP298a	Acc .10%.
77	101#1	3	30	1.2k	60k	20 †			28			MP149a	Acc. ± .20% max;BW 100Hz;Output xy/10;Δlo 20mA.
78	103#1	3	30	1.2k	60k	20 †			28			MP149a	Acc. ± .10% max;BW 100Hz;Output xy/10;Δlo 20mA.
79	109#1	3	30	1.2k	10k	20 †			28			MP149a	Acc. ± .30%;Output xy/5z;BW 100Hz;Δlo 20mA.
80▼	A701	3	32	576m	500k	10		20	06			MP138a	Multiplier-Divider;BW 4.0MHz min.
81▼	A702	3	32	576m	500k	10		20	06			MP138a	Multiplier-Divider;BW 4.0MHz min.
82	LS1495	3	47	170m	20M	30	300k	28	07	Z045		TO116	4 Quadrant Analog Multiplier.
83	LS1595	3	47	170m	35M	30	300k	28	5C	Z045		TO116	4 Quadrant Analog Multiplier.
84	MC1495	3	47	170m	20M	30	300k	28	07	Z045		TO116	4 Quadrant Analog Multiplier.
85	MC1495L	3	47 §	170m	20Mt	30 Δ	300kt	28 †	07	Z045		TO116	Acc4.0%Δ;BW3dB3.0MHzt;Com.ModeGv-50dBt.
86	MC1595	3	47	170m	35M	30	300k	28	5C	Z045		TO116	4 Quadrant Analog Multiplier.
87	MC1595L	3	47 §	170m	35Mt	30 Δ	300kt	28 †	5C	Z045		TO116	Acc2.0%Δ;BW3dB3.0MHzt;Com.ModeGv-60dBt.
88	MCC1495	3	47 §	170m	20Mt	24 †	300kt	28 †	5C	Z045		FC8	4 Quadrant;Linearity Error 1.0%.
89	MCC1595	3	47 §	170m	35Mt	26 †	300kt	28 †	5C	Z045		FC8	4 Quadrant;Linearity Error 0.5%.
90	N5595A	3	47 §	170m	20Mt	21	300kt	28 †	07	Z128		MP153	Acc. 2.0%Δ;BW 3dB 3.0MHz;Common Mode Gain 50dB.
91	N5596A	3	47	170m	20Mt	30 Δ	300kt	28 †	07	Z045		MP153	Acc 4.0%Δ;BW 3dB 3.0MHzt;Gv 50dBt.
92	N5596K	3	47	170m	20Mt	30 Δ	300kt	28 †	07	Z045		CN37	Acc 4.0%Δ;BW 3dB 3.0MHzt;Gv 50dBt.
93	S5595F	3	47 §	170m	35Mt	23	300kt	28 †	5C	Z128		MP152	Acc. 1.0%Δ;BW 3dB 3.0MHz;Common Mode Gain 60dB.
94	SG1495N	3	47 §	170m	20Mt	30 Δ	300kt	28 †	07	Z045		TO116	Acc 4.0%Δ; BW 3dB3.0MHzt; Com.Mode 60V-50dBt.
95	SG1595D	3	47 §	170m	35Mt	30 Δ	300kt	28 †	5C	Z045		TO116	Acc 2.0%Δ:BW3dB3.0MHzt;Com Mode GV-60dBt.
96	5904	4	30	150m		10	1.0	20	5A			MP58f	Square, Square Rooter.
97	NE566T	5	12	130m	1.0Mt		50 †	5.0	07	Z171		CN1g	Voltage Controlled Oscillator.
98	NE566V	5	12	130m	1.0Mt		50 †	5.0	07	Z171		MP216	Voltage Controlled Oscillator.
99	SE566T	5	12	130m	1.0Mt		50 †	5.0	5C	Z171		CN1g	Voltage Controlled Oscillator.
100	MN350	5	24	900m			5.0	9.0	07			MP293	Sine;Freq 0-10kHz;Vo 0 to 9,0 to -9,4.5 to -4.5.
101	MN350H	5	24	900m			5.0	9.0	5C			MP293	Sine;Freq 0-10kHz;Vo 0 to 9,0 to -9,4.5 to -4.5.
102	MN351	5	24	900m			5.0	9.0	07			MP293	Parabolic;Freq 0-10kHz;Vo 0 to 9,0 to -9,4.5 -4.5.
103	MN351H	5	24	900m			5.0	9.0	5C			MP293	Parabolic;Freq 0-10kHz;Vo 0 to 9,0 to-9,5.4 -4.5.
104	MN352	5	24	900m			5.0	9.0	07			MP293	S Wave;Freq 0-10kHz;Vo 0 to 9,0 to -9,4.5 to -4.5
105	MN352H	5	24	900m			5.0	9.0	5C			MP293	S Wave;Freq 0-10kHz;Vo 0 to 9,0 to -9,4.5 to -4.5
106▼	A733	5	30		100k				28	Z271		MP138a	Multi-Log Function Module.
107▼	M530J	5	30	135m	10M	20	8.0	20	28	Z273		TO100	Multiplier/Div/Squarer/Square Rooter;BW 1.0MHz.
108▼	M530K	5	30	135m	10M	20	8.0	20	28	Z273		TO100	Multiplier/Divider/Squarer/SquareRooter;BW 1.0MHz.
109▼	M530L	5	30	135m	10M	20	8.0	20	28	Z273		TO100	Multiplier/Divider/Squarer/SquareRooter;BW 1.0MHz.
110▼	M530S	5	30	135m	10M	20	8.0	20	5C	Z273		TO100	Multiplier/Divider/Squarer/SquareRooter;BW 1.0MHz.

10. MISCELLANEOUS

IN ORDER OF (1) USE (2) TOTAL VOLTAGE (3) MAX IDLE POWER & (4) TYPE No.

LINE No.	[4] TYPE No.	[1] USE	PWR SUP @25°C RATED SPECS [2] TOT. VOLT. (ΔV)	[3] MAX. IDLE P (W)	MIN. INPUT CHAR. @25°C IMPED-ANCE (Ω)	VOLT RANGE (ΔV)	OUTPUT CHAR. @25°C MAX. IMP. (Ω)	MIN VOLT RANGE (ΔV)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	4126-15C	5	30	390m	10kt	10	500kt	10 †	46		MP299a	Square Root Converter.
2	5712	5	30	600m	50kt	20 †	1.0 †	20	27		MP☐	RMS-Vector;Square root(x sq.and y sq.)function.
3	5889	5	30	810m	6.5k	20	1.0	10	58		MP82a	True RMS;Acc 3%;BW 1MHz;Tc 50uV/°C.
4	5888	5	30	1.2	3.0k	10	10	2.0	27		MP270	Linear AGC;Input Range 60dB;Output .5dB.
5	5890	5	30	1.2	50k	20	1.0	20	58		MP269	Pin Cushion Correction;BW 3dB 1.0MHz;Acc 1.7%.
6	9009	5	36	60m			1.0	20	58		MP☐	Differentiator, 6dB/OCT freq. roll off.
7▼	5010	6	30	540m	100M	20	1.0	20	59		MP213	Acc 1.0%;Tc .05%/°C;BW 3db 100kHz;SR 100V/uS.
8	5762	6	30	660m	2.5kt	20 †	1.0 †	20	27		MP☐	Coordinate converter; r sinO and r cosO function.
9	4118-25	6	32	320m	26kt	20 †	500kt	20	28		MP290h	Harmonic Distortion 1%.
10	S100	7	28 §	28mt			2.5kt	5.6 †	08		MP63	Tc .05%/°CΔ#; Dist 5.0%Δ; Freq 400-50kHz;RL35kohms
11	S200	7	28 §	28mt			2.5kt	5.6 †	08		MP66	Tc .05%/°CΔ#; Dist 5.0%Δ; Freq 25-50 kHz;RL35kohms
12	3360	7	30	1.2			2.0	20	5A		MP☐	Tc 50%/°CΔ#;Freq.0-100kHz;Distortion 0.1%.
13	4023-25	7	30	1.2			1.0 †	17	28		MP290	Precision Oscillator.
14	432J#2	8	30	135m	10k	20	100m	20	28		MP222	Acc 1.0%;FPBW 750kHz;-3dB 1.0MHz;Io 5.0mA.
15	426J#2	8	30	150m	25k	10 §	100m	22	28		MP80	Divider Function 10Z/X;Acc. 1.0%;Root Acc. .5%.
16	426K#2	8	30	150m	25k	10 §	100m	22	28		MP80	Divider Function 10Z/X;Acc. 1.0%;Root Acc. .5%.
17	428J#2	8	30	150m	25k	20	100m	22	28		MP80	Acc .50%;FPBW 70kHz;-3dB 300kHz;Io 11mA.
18	428K#2	8	30	150m	25k	20	100m	22	28		MP80	Acc .50%;FPBW 70kHz;-3dB 300kHz;Io 11mA.
19	D5010	8	30	330m	100k	20	1.0	20	27		MP5s	Acc. 5%;Tc 3.0mV/°C;FP BW 100kHz;ΔIo 10mA.
20	D5020	8	30	330m	100k	20	1.0	20	27		MP5s	Acc. 2%;Tc 3.0mV/°C;FP BW 150kHz;ΔIo 10mA.
21	D5030	8	30	330m	100k	20	1.0	20	27		MP5s	Acc. 1%;Tc 3.0mV/°C;FP BW 150kHz;ΔIo 10mA.
22	D5040	8	30	330m	100k	20	1.0	20	27		MP5s	Acc. .50%;Tc 3.0mV/°C;FP BW 150kHz;ΔIo 10mA.
23	D5050	8	30	330m	100k	20	1.0	20	27		MP5s	Acc. .25%;Tc 3.0mV/°C;FP BW 150kHz;ΔIo 10mA.
24	D5060	8	30	330m	100k	20	1.0	20	27		MP5s	Acc. .10%;Tc 3.0mV/°C;FP BW 400kHz;ΔIo 10mA.
25	5895	8	30	450m	100k	10	1.0	10	58		MP241	Acc .6%;Tc 100uV/°C;BW 30kHz;ΔIo 10mA.
26	427J#2	8	30	480m	10k	20	100m	20	28		MP155a	Acc .15%;FPBW 30kHz;-3dB 100kHz;Io 7.0mA.
27	427K#2	8	30	480m	10k	20	100m	20	28		MP155a	Acc .25%;FPBW 30kHz;-3dB 100kHz;Io 7.0mA.
28	DIV501	8	30	600m	1.5k	10	10m	20			MP62	Acc 1.0%; BW 50kHz; ΔIo 40mA.
29	DIV502	8	30	600m	1.5k	10	10m	20			MP62	Acc .50%; BW 100kHz; ΔIo 40mA.
30	DIV503	8	30	600m	1.5k	10	10m	20			MP62	Acc .25%; BW 300kHz; ΔIo 40mA.
31	DIV504	8	30	600m	1.5k	10	10m	20			MP62	Acc .10%; BW 500kHz; ΔIo 40mA.
32	DIV505	8	30	600m	1.5k	10	10m	20			MP62	Acc .075%; BW 800kHz; ΔIo 40mA.
33	DIV506	8	30	600m	1.5k	10	10m	20			MP62	Acc .05%; BW 1.0kHz; ΔIo 40mA.
34	4290	8	30	900mt	25kt	100m	1.0	20	28		MP298b	Wide Dynamic Range Divider.
35	101#2	8	30	1.2k	60k	20 †			28		MP149a	Acc. 60mV;BW 100Hz;ΔIo 20mA.
36	103#2	8	30	1.2k	60k	20 †			28		MP149a	Acc. 50mV;BW 100Hz;ΔIo 20mA.
37	106A	8	30	1.2k	90k	20 †			28		MP149	Acc. ± .10%;Output 10y/z;BW 100Hz;ΔIo 20mA.
38	108	8	30	1.2k	10k	20 †			28		MP149	Acc. ± .10%;Output xy/10;BW 100Hz;ΔIo 20mA.
39	109#2	8	30	1.2k	10k	20 †			28		MP149a	Acc. 40mV;BW 100Hz;ΔIo 20mA.
40	410☐	9	28 §	30m	2.0k	5.0	10kt	5.0	58			Freq. 0.0-100KHZ; Tc 500uV/°CΔ;Acc 1.0%Δ.
41	430☐	9	28 §	30m	2.0k	5.0	10kt	5.0	58			Freq 0.0-100kHz;Tc 500uV/°CΔ;Acc 1.0%Δ.
42	440☐	9	28 §	30m	2.0k	5.0	10kt	5.0	58			Freq 0.0-100kHz;Tc 500uV/°CΔ;Acc 1.0%Δ.
43	410KF	9	28 §	700m	40kt	2.0	10kt	5.0 †§	58		MP65	Freq 0.0-100Hz;Tc 500uV/°CΔ;Acc 1.0%Δ.
44	420KF	9	28 §	700m	40kt	2.0	10kt	5.0 †§	58		MP65	Freq 0.0-1.0kHz;Tc 500uV/°CΔ;Acc 1.0%Δ.
45	430KF	9	28 §	700m	40kt	2.0	10kt	5.0 †§	58		MP65	Freq 0.0-10kHz;Tc 500uV/°CΔ;Acc 1.0%Δ.
46	440KF	9	28 §	700m	40kt	2.0	10kt	5.0 †§	58		MP65	Freq 0.0-100kHz;Tc 500uV/°CΔ;Acc 1.0%Δ.
47	450KF	9	28 §	700m	1.0k	20m	10kt	5.0	05			Freq 0.0-100Hz;Tc 500uV/°CΔ;Acc 1.0%Δ.
48	460KF	9	28 §	700m	1.0k	20m	10kt	5.0	05			Freq 0.0-1.0kHz;Tc 500uV/°CΔ;Acc 1.0%Δ.
49	470KF	9	28 §	700m	1.0k	20m	10kt	5.0	05			Freq 0.0-10kHz;Tc 500uV/°CΔ;Acc 1.0%Δ.
50	480KF	9	28 §	700m	1.0k	20m	10kt	5.0	05			Freq 0.0-100kHz;Tc 500uV/°CΔ;Acc 1.0%Δ.
51	3337	9	30	240m	1.0M	300m	1.0	10	27		MP209a	Freq. 0 to 100kHz;Linearity .3%.
52	3327	9	30	510m	10k	100m	1.0	10	27		MP241	Freq. 0 to 2kHz;Tc ±.01%FS/°C;Linearity .03%.
53	3328	9	30	510m	10k	100m	1.0	10	27		MP241	Freq. 0 to 5kHz;Tc ±.01%FS/°C;Linearity .03%.
54	3330	9	30	510m	10k	100m	1.0	10	27		MP241	Freq. 0 to 20kHz;Tc ±.01%FS/°C;Linearity .03%.
55	3331	9	30	510m	10k	500m	1.0	10	27		MP241	Freq. 0 to 50kHz;Tc ±.01%FS/°C;Linearity .03%.
56	3332	9	30	510m	10k	100m	1.0	10	27		MP241	Freq. 0 to 500Hz;Tc ±.01%FS/°C;Linearity .03%.
57	3333	9	30	510m	10k	100m	1.0	10	27		MP241	Freq. 0 to 200Hz;Tc ±.01%FS/°C;Linearity .03%.
58	3371	9	30	510m	10k	100m	1.0	10	27		MP241	Freq. 0 to 1kHz;Tc ±.01%FS/°C;Linearity .03%.
59	3382	9	30	510m	10k	100m	1.0	10	27		MP241	Freq. 0 to 10kHz;Tc ±.01%FS/°C;Linearity .03%.
60	3383	9	30	510m	10k	500m	1.0	10	27		MP241	Freq. 0 to 100kHz;Tc ±.01%FS/°C;Linearity .03%.
61	3334	9	30	660m	10k	100m	1.0	10 §	27		MP☐	Freq.0-200kHz;Tc 1mV/°C;Acc .03%Δ.
62	3335	9	30	660m	10k	100m	1.0	10 §	27		MP☐	Freq.0-500kHz;Tc 1mV/°C;Acc .03%Δ.
63	3336	9	30	660m	10k	300m	1.0	10 §	27		MP☐	Freq.0-1MHz;Tc 1mV/°C;Acc .03%Δ.
64	571	9	30	750m	10kt	1.0 †	10 †	0.0	25		MP☐	Transducer;Freq.Range 100-1.0kHz.
65	5329	11	12	144m	30	1.0 *	1.0	2.0	27		MP☐	Output Freq. 0 to 100kHz;Linearity .3%.
66	310VF	11	20	400m	15k	0.0	5.0k		05		MP132	Output freq. 0 to 100cps;Acc. ± 1.0%.
67	320VF	11	20	400m	15k	0.0	5.0k		05		MP132	Output freq 0 to 1.0 KCPS; Acc ± 1.0%.
68	330VF	11	20	400m	15k	0.0	5.0k		05		MP132	Output freq. 0 to 10kcps;Acc. ± 1.0%.
69	340VF	11	20	400m	15k	0.0	5.0k		05		MP132	Output freq. 0 to 100kcps;Acc. ± 1.0%.
70	3370	11	30	450m	100M	10	1.0		27		MP242	Freq 0-1kHz;Tc 0.7Hz/°C;Acc .1%Δ.
71▼	3374	11	30	450m	100M	10	1.0		27			Freq 0-10kHz;Tc 1.0Hz/°C;Acc .10%Δ.
72	3377	11	30	450m	100M	10	1.0		27		MP☐	Freq.0-100Hz;Tc .01Hz/°C;Acc .1%Δ.
73▼	3378	11	30	450m	100M	10	1.0		27			Freq 0-10Hz;Tc 100ppm/°C;Acc .10%Δ.
74▼	A847	11	30	480m	24kt	10 §	3.0k		28	Z270	MP199e	Output Freq 0-10kHz;Linearity ±.008%.
75	3329	11	30	810m	10k	10	1.0	10	27		MP209a	Output Freq. 0 to 100kHz;Linearity .3%.
76	570	11	30	1.5	1.0Mt	0.0	100 †	1.0 †	25		MP☐	Transducer;Freq.Range 100-1.0kHz.
77▼	3375	11	30	1.5	100M	10	1.0		59			Freq 0-100kHz;Tc 100Hz/°C;Acc .10%Δ.
78▼	3376	11	30	1.5	100M	10	1.0		59			Freq 0-1MHz;Tc 100kHz/°C;Acc .30%Δ.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

LINE No.	2 TYPE No.	1 USE	TEMP -+	CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	1ET25	50	05		MP181	Vi 115 VACt;Vo 1.0V;Io 250mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .100%.
2	1ET25D	50	05		MP182	Vi 115 VACt;Vo 1.0V;Io 250mA;Freq. 47-420Hz;Line Reg. .050%;Load Reg. .100%.
3	1ET50	50	05		MP182a	Vi 115 VACt;Vo 1.0V;Io 500mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .200%.
4	1NT100	50	27		MP180a	Vi 115 VACt;Vo 1.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
5	1NT175	50	27		MP180a	Vi 115 VACt;Vo 1.0V;Io 1.75A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
6	1.5ET25	50	05		MP181	Vi 115 VACt;Vo 1.5V;Io 250mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .100%.
7	1.5ET25D	50	05		MP182	Vi 115 VACt;Vo 1.5V;Io 250mA;Freq. 47-420Hz;Line Reg. .050%;Load Reg. .100%.
8	1.5ET50	50	05		MP182a	Vi 115 VACt;Vo 1.5V;Io 500mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .200%.
9	1.5NT100	50	27		MP180a	Vi 115 VACt;Vo 1.5V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
10	1.5NT175	50	27		MP180a	Vi 115 VACt;Vo 1.5V;Io 1.75A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
11	2ET20	50	05		MP181	Vi 115 VACt;Vo 2.0V;Io 200mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .100%.
12	2ET20D	50	05		MP182	Vi 115 VACt;Vo 2.0V;Io 200mA;Freq. 47-420Hz;Line Reg. .050%;Load Reg. .100%.
13	2ET40	50	05		MP182a	Vi 115 VACt;Vo 2.0V;Io 400mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .200%.
14	2NT100	50	27		MP180a	Vi 115 VACt;Vo 2.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
15	2NT175	50	27		MP180a	Vi 115 VACt;Vo 2.0V;Io 1.75A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
16	3ET25	50	05		MP181	Vi 115 VACt;Vo 3.0V;Io 250mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .100%.
17	3ET25D	50	05		MP182	Vi 115 VACt;Vo 3.0V;Io 250mA;Freq. 47-420Hz;Line Reg. .050%;Load Reg. .100%.
18	3ET50	50	05		MP182a	Vi 115 VACt;Vo 3.0V;Io 500mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .200%.
19	3NT100	50	27		MP180a	Vi 115 VACt;Vo 3.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
20	3NT175	50	27		MP180a	Vi 115 VACt;Vo 3.0V;Io 1.75A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
21	3.6ET25	50	05		MP181	Vi 115 VACt;Vo 3.6V;Io 250mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
22	3.6ET25D	50	05		MP182	Vi 115 VACt;Vo 3.6V;Io 250mA;Freq. 47-420Hz;Line Reg. .050%;Load Reg. .050%.
23	3.6ET50	50	05		MP182a	Vi 115 VACt;Vo 3.6V;Io 500mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .100%.
24	3.6NT100	50	27		MP180a	Vi 115 VACt;Vo 3.6V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
25	3.6NT175	50	27		MP180a	Vi 115 VACt;Vo 3.6V;Io 1.75A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
26	3.6NT300	50	27		MP180	Vi 115 VACt;Vo 3.6V;Io 3.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
27	4ET20	50	05		MP181	Vi 115 VACt;Vo 4.0V;Io 200mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
28	4ET20D	50	05		MP182	Vi 115 VACt;Vo 4.0V;Io 200mA;Freq. 47-420Hz;Line Reg. .050%;Load Reg. .050%.
29	4ET40	50	05		MP182a	Vi 115 VACt;Vo 4.0V;Io 400mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .100%.
30	4NT100	50	27		MP180a	Vi 115 VACt;Vo 4.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
31	4NT175	50	27		MP180a	Vi 115 VACt;Vo 4.0V;Io 1.75A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
32	5ET25	50	05		MP181	Vi 115 VACt;Vo 5.0V;Io 250mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
33	5ET25D	50	05		MP182	Vi 115 VACt;Vo 5.0V;Io 250mA;Freq. 47-420Hz;Line Reg. .050%;Load Reg. .050%.
34	5ET50	50	05		MP182a	Vi 115 VACt;Vo 5.0V;Io 500mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .100%.
35	5NT100	50	27		MP180a	Vi 115 VACt;Vo 5.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
36	5NT200	50	27		MP180a	Vi 115 VACt;Vo 5.0V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
37	5NT400	50	27		MP180	Vi 115 VACt;Vo 5.0V;Io 4.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
38	6ET20	50	05		MP181	Vi 115 VACt;Vo 6.0V;Io 200mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
39	6ET20D	50	05		MP182	Vi 115 VACt;Vo 6.0V;Io 200mA;Freq. 47-420Hz;Line Reg. .050%;Load Reg. .050%.
40	6ET40	50	05		MP182a	Vi 115 VACt;Vo 6.0V;Io 400mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .100%.
41	6NT100	50	27		MP180a	Vi 115 VACt;Vo 6.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
42	6NT200	50	27		MP180	Vi 115 VACt;Vo 6.0V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
43	7ET17	50	05		MP181	Vi 115 VACt;Vo 7.0V;Io 170mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
44	7ET17D	50	05		MP182	Vi 115 VACt;Vo 7.0V;Io 170mA;Freq. 47-420Hz;Line Reg. .050%;Load Reg. .050%.
45	7ET34	50	05		MP182a	Vi 115 VACt;Vo 7.0V;Io 340mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .100%.
46	7NT100	50	27		MP180a	Vi 115 VACt;Vo 7.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
47	7NT200	50	27		MP180	Vi 115 VACt;Vo 7.0V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
48	8ET15	50	05		MP181	Vi 115 VACt;Vo 8.0V;Io 150mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
49	8ET15D	50	05		MP182	Vi 115 VACt;Vo 8.0V;Io 150mA;Freq. 47-420Hz;Line Reg. .050%;Load Reg. .050%.
50	8ET30	50	05		MP182a	Vi 115 VACt;Vo 8.0V;Io 300mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .100%.
51	8NT100	50	27		MP180a	Vi 115 VACt;Vo 8.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
52	8NT200	50	27		MP180	Vi 115 VACt;Vo 8.0V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
53	9ET13	50	05		MP181	Vi 115 VACt;Vo 9.0V;Io 130mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
54	9ET13D	50	05		MP182	Vi 115 VACt;Vo 9.0V;Io 130mA;Freq. 47-420Hz;Line Reg. .050%;Load Reg. .050%.
55	9ET26	50	05		MP182a	Vi 115 VACt;Vo 9.0V;Io 260mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .100%.
56	9NT100	50	27		MP180a	Vi 115 VACt;Vo 9.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
57	9NT200	50	27		MP180	Vi 115 VACt;Vo 9.0V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
58	10ET12	50	05		MP181	Vi 115 VACt;Vo 10V;Io 120mA;Freq 47-420Hz;Line Reg. .020%;Load Reg. .020%.
59	10ET12D	50	05		MP182	Vi 115 VACt;Vo 10V;Io 120mA;Freq. 47-420Hz;Line Reg. .020%;Load Reg. .020%.
60	10ET24	50	05		MP182a	Vi 115 VACt;Vo 10V;Io 240mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
61	10NT100	50	27		MP180a	Vi 115 VACt;Vo 10V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
62	10NT200	50	27		MP180	Vi 115 VACt;Vo 10V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
63	11ET11	50	05		MP181	Vi 115 VACt;Vo 11V;Io 110mA;Freq 47-420Hz;Line Reg. .020%;Load Reg. .020%.
64	11ET11D	50	05		MP182	Vi 115 VACt;Vo 11V;Io 110mA;Freq. 47-420Hz;Line Reg. .020%;Load Reg. .020%.
65	11ET22	50	05		MP182a	Vi 115 VACt;Vo 11V;Io 220mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
66	12ET10	50	05		MP181	Vi 115 VACt;Vo 12V;Io 100mA;Freq 47-420Hz;Line Reg. .020%;Load Reg. .020%.
67	12ET10D	50	05		MP182	Vi 115 VACt;Vo 12V;Io 100mA;Freq. 47-420Hz;Line Reg. .020%;Load Reg. .020%.
68	12ET20	50	05		MP182a	Vi 115 VACt;Vo 12V;Io 200mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
69	12NT100	50	27		MP180a	Vi 115 VACt;Vo 12V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
70	12NT200	50	27		MP180	Vi 115 VACt;Vo 12V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
71	13ET10	50	05		MP181	Vi 115 VACt;Vo 13V;Io 100mA;Freq 47-420Hz;Line Reg. .020%;Load Reg. .020%.
72	13ET10D	50	05		MP182	Vi 115 VACt;Vo 13V;Io 100mA;Freq. 47-420Hz;Line Reg. .020%;Load Reg. .020%.
73	13ET20	50	05		MP182a	Vi 115 VACt;Vo 13V;Io 200mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
74	14ET10	50	05		MP181	Vi 115 VACt;Vo 14V;Io 100mA;Freq 47-420Hz;Line Reg. .020%;Load Reg. .020%.
75	14ET10D	50	05		MP182	Vi 115 VACt;Vo 14V;Io 100mA;Freq. 47-420Hz;Line Reg. .020%;Load Reg. .020%.
76	14ET20	50	05		MP182a	Vi 115 VACt;Vo 14V;Io 200mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
77	14NT100	50	27		MP180a	Vi 115 VACt;Vo 14V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
78	14NT200	50	27		MP180	Vi 115 VACt;Vo 14V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
79	15ET10	50	05		MP181	Vi 115 VACt;Vo 15V;Io 100mA;Freq 47-420Hz;Line Reg. .020%;Load Reg. .020%.
80	15ET10D	50	05		MP182	Vi 115 VACt;Vo 15V;Io 100mA;Freq. 47-420Hz;Line Reg. .020%;Load Reg. .020%.
81	15ET20	50	05		MP182a	Vi 115 VACt;Vo 15V;Io 200mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
82	15NT100	50	27		MP180a	Vi 115 VACt;Vo 15V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
83	15NT200	50	27		MP180	Vi 115 VACt;Vo 15V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
84	16ET08	50	05		MP181	Vi 115 VACt;Vo 16V;Io 80mA;Freq 47-420Hz;Line Reg. .020%;Load Reg. .020%.
85	16ET08D	50	05		MP182	Vi 115 VACt;Vo 16V;Io 80mA;Freq. 47-420Hz;Line Reg. .020%;Load Reg. .020%.
86	16ET16	50	05		MP182a	Vi 115 VACt;Vo 16V;Io 160mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
87	16NT100	50	27		MP180a	Vi 115 VACt;Vo 16V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
88	16NT200	50	27		MP180	Vi 115 VACt;Vo 16V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
89	17ET07	50	05		MP181	Vi 115 VACt;Vo 17V;Io 70mA;Freq 47-420Hz;Line Reg. .020%;Load Reg. .020%.
90	17ET07D	50	05		MP182	Vi 115 VACt;Vo 17V;Io 70mA;Freq. 47-420Hz;Line Reg. .020%;Load Reg. .020%.
91	17ET14	50	05		MP182a	Vi 115 VACt;Vo 17V;Io 140mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
92	18ET06	50	05		MP181	Vi 115 VACt;Vo 18V;Io 60mA;Freq 47-420Hz;Line Reg. .020%;Load Reg. .020%.
93	18ET06D	50	05		MP182	Vi 115 VACt;Vo 18V;Io 60mA;Freq. 47-420Hz;Line Reg. .020%;Load Reg. .020%.
94	18ET12	50	05		MP182a	Vi 115 VACt;Vo 18V;Io 120mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
95	18NT100	50	27		MP180a	Vi 115 VACt;Vo 18V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
96	18NT200	50	27		MP180	Vi 115 VACt;Vo 18V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
97	19ET06	50	05		MP181	Vi 115 VACt;Vo 19V;Io 60mA;Freq 47-420Hz;Line Reg. .020%;Load Reg. .020%.
98	19ET06D	50	05		MP182	Vi 115 VACt;Vo 19V;Io 60mA;Freq. 47-420Hz;Line Reg. .020%;Load Reg. .020%.
99	19ET12	50	05		MP182a	Vi 115 VACt;Vo 19V;Io 120mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
100	20ET06	50	05		MP181	Vi 115 VACt;Vo 20V;Io 60mA;Freq 47-420Hz;Line Reg. .020%;Load Reg. .020%.
101	20ET06D	50	05		MP182	Vi 115 VACt;Vo 20V;Io 60mA;Freq. 47-420Hz;Line Reg. .020%;Load Reg. .020%.
102	20ET12	50	05		MP182a	Vi 115 VACt;Vo 20V;Io 120mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
103	20NT100	50	27		MP180a	Vi 115 VACt;Vo 20V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
104	21ET06	50	05		MP181	Vi 115 VACt;Vo 21V;Io 60mA;Freq 47-420Hz;Line Reg. .020%;Load Reg. .020%.
105	21ET06D	50	05		MP182	Vi 115 VACt;Vo 21V;Io 60mA;Freq. 47-420Hz;Line Reg. .020%;Load Reg. .020%.
106	21ET12	50	05		MP182a	Vi 115 VACt;Vo 21V;Io 120mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
107	22ET05	50	05		MP181	Vi 115 VACt;Vo 22V;Io 50mA;Freq 47-420Hz;Line Reg. .020%;Load Reg. .020%.
108	22ET05D	50	05		MP182	Vi 115 VACt;Vo 22V;Io 50mA;Freq. 47-420Hz;Line Reg. .020%;Load Reg. .020%.
109	22ET10	50	05		MP182a	Vi 115 VACt;Vo 22V;Io 100mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
110	22NT100	50	27		MP180	Vi 115 VACt;Vo 22V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.

LINE No.	[2] TYPE No.	[1] USE	TC EO MD PE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	23ET05	50	05		MP181	Vi 115 VACt;Vo 23V;Io 50mA;Freq 47-420Hz;Line Reg. .020%;Load Reg. .020%.
2	23ET05D	50	05		MP182	Vi 115 VACt;Vo 23V;Io 50mA;Freq. 47-420Hz;Line Reg. .020%;Load Reg. .020%.
3	23ET10	50	05		MP182a	Vi 115 VACt;Vo 23V;Io 100mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
4	24ET05	50	05		MP181	Vi 115 VACt;Vo 24V;Io 50mA;Freq 47-420Hz;Line Reg. .020%;Load Reg. .020%.
5	24ET05D	50	05		MP182	Vi 115 VACt;Vo 24V;Io 50mA;Freq. 47-420Hz;Line Reg. .020%;Load Reg. .020%.
6	24ET10	50	05		MP182a	Vi 115 VACt;Vo 24V;Io 100mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
7	24NT100	50	27		MP180	Vi 115 VACt;Vo 24V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
8	25ET05	50	05		MP181	Vi 115 VACt;Vo 25V;Io 50mA;Freq 47-420Hz;Line Reg. .020%;Load Reg. .020%.
9	25ET05D	50	05		MP182	Vi 115 VACt;Vo 25V;Io 50mA;Freq. 47-420Hz;Line Reg. .020%;Load Reg. .020%.
10	25ET10	50	05		MP182a	Vi 115 VACt;Vo 25V;Io 100mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
11	26ET04	50	05		MP181	Vi 115 VACt;Vo 26V;Io 40mA;Freq 47-420Hz;Line Reg. .020%;Load Reg. .020%.
12	26ET04D	50	05		MP182	Vi 115 VACt;Vo 26V;Io 40mA;Freq. 47-420Hz;Line Reg. .020%;Load Reg. .020%.
13	26ET08	50	05		MP182a	Vi 115 VACt;Vo 26V;Io 80mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
14	26NT100	50	27		MP180	Vi 115 VACt;Vo 26V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
15	27ET04	50	05		MP181	Vi 115 VACt;Vo 27V;Io 40mA;Freq 47-420Hz;Line Reg. .020%;Load Reg. .020%.
16	27ET04D	50	05		MP182	Vi 115 VACt;Vo 27V;Io 40mA;Freq. 47-420Hz;Line Reg. .020%;Load Reg. .020%.
17	27ET08	50	05		MP182a	Vi 115 VACt;Vo 27V;Io 80mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
18	28ET04	50	05		MP181	Vi 115 VACt;Vo 28V;Io 40mA;Freq 47-420Hz;Line Reg. .020%;Load Reg. .020%.
19	28ET04D	50	05		MP182	Vi 115 VACt;Vo 28V;Io 40mA;Freq. 47-420Hz;Line Reg. .020%;Load Reg. .020%.
20	28ET08	50	05		MP182a	Vi 115 VACt;Vo 28V;Io 80mA;Freq 47-420Hz;Line Reg. .050%;Load Reg. .050%.
21	28NT100	50	27		MP180	Vi 115 VACt;Vo 28V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
22	30NT100	50	27		MP180	Vi 115 VACt;Vo 30V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
23	32NT100	50	27		MP180	Vi 115 VACt;Vo 32V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
24	34NT100	50	27		MP180	Vi 115 VACt;Vo 34V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
25	36NT100	50	27		MP180	Vi 115 VACt;Vo 36V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
26	38NT100	50	27		MP180	Vi 115 VACt;Vo 38V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
27	40NT100	50	27		MP180	Vi 115 VACt;Vo 40V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
28	42NT100	50	27		MP180	Vi 115 VACt;Vo 42V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
29	44NT100	50	27		MP180	Vi 115 VACt;Vo 44V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
30	46NT100	50	27		MP180	Vi 115 VACt;Vo 46V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
31	48NT100	50	27		MP180	Vi 115 VACt;Vo 48V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
32	400	50	27		MP198	Vi 125VACΔ;Vo ±15VDC;Io 25mA;TC 20m%/°Ct;Reg line 20m%Δ and load 50m%Δ;Rpl 1.0mVΔ.
33	400A	50	27		MP198	Vi 240VACΔ;Vo ±15VDC;Io 25mA;TC 20m%/°Ct;Reg line 20m%Δ and load 50m%Δ;Rpl 1.0mVΔ.
34	401	50	27		MP198	Vi 125VACΔ;Vo ±15VDC;Io 50mA;TC 20m%/°Ct;Reg line 20m%Δ and load 50m%Δ;Rpl 1.0mVΔ.
35	401A	50	27		MP198	Vi 240VACΔ;Vo ±15VDC;Io 50mA;TC 20m%/°Ct;Reg line 20m%Δ and load 50m%Δ;Rpl 1.0mVΔ.
36	402	50	27		MP198	Vi 125VACΔ;Vo ±15VDC;Io 100mA;TC 20m%/°Ct;Reg line 20m%Δ and load 50m%Δ;Rpl 1.0mVΔ.
37	402A	50	27		MP198	Vi 240VACΔ;Vo ±15VDC;Io 100mA;TC 20m%/°Ct;Reg line 20m%Δ and load 50m%Δ;Rpl 1.0mVΔ.
38	403	50	27		MP198	Vi 125VACΔ;Vo ±18VDC;Io 50mA;TC 20m%/°Ct;Reg line 200m%Δ and load 200m%Δ;Rpl 1.0mVΔ.
39	403A	50	27		MP198	Vi 240VACΔ;Vo ±18VDC;Io 50mA;TC 20m%/°Ct;Reg line 200m%Δ and load 200m%Δ;Rpl 1.0mVΔ.
40	409	50	27		MP198b	Vi 125VACΔ;Vo 5.0VDC;Io 250mA;TC 20m%/°C;Reg line 50m%Δ and load 100m%Δ;Rpl 1.0mV.
41	409A	50	27		MP198b	Vi 240VACΔ;Vo 5.0VDC;Io 250mA;TC 20m%/°C;Reg line 50m%Δ and load 100m%Δ;Rpl 1.0mV.
42	410Δ	50	27		MP198b	Vi 125VACΔ;Vo 5.0VDC;Io 500mA;TC 20m%/°C;Reg.line 50m%Δ and load 100m%Δ;Rpl 1.0mV.
43	410A	50	27		MP198b	Vi 240VACΔ;Vo 5.0VDC;Io 500mA;TC 20m%/°C;Reg.line 50m%Δ and load 100m%Δ;Rpl 1.0mV.
44	411Δ	50	27		MP198a	Vi 125VACΔ;Vo 5.0VDC;Io 1.0A;TC 20m%/°C;Reg.line 50m%Δ and load 100m%Δ;Rpl 1.0mV.
45	411A	50	27		MP198a	Vi 240VACΔ;Vo 5.0VDC;Io 1.0A;TC 20m%/°C;Reg.line 50m%Δ and load 100m%Δ;Rpl 1.0mV.
46	515	50	07		MP35b	Vi 125V max;ΔVo 30V;Io 20mA;Reg 2.0%;Rpl 20mV.
47	516Δ	50	07		MP98	Vi 125V max;ΔVo 30V;Io 20mA;Reg 2.0%;Rpl 20mV.
48	524Δ	50	07		MP35b	Vi 125V max;ΔVo 48V;Io 20mA;Reg 4.0%;Rpl 20mV.
49	524☑	50	06		MP288a	Vi 250VACΔ, 47-1.0kHz;Vo±15V;Io 400mAΔ;Reg.line and load .10%Δ;TC .02%/°CΔ.
50	525	50	28		MP☑	ΔVi 644Vt;ΔVo±26V1;ΔIo±60mAt;No 1.0mVΔ;freq 47-420Hz;Tc .005%/Ct;Reg .1%Δ.
51	527	50	27		MP116	Vi 250VACΔ;Vo 15VDCt;Io 50mAΔ;Freq. 420HzΔ;Tc 20m%/°CΔ;Line and Load Reg. 200m%/°CΔ.
52	528Δ	50	07		MP35b	Vi 125V max;ΔVo 60V;Io 20mA;Reg 30%;Rpl 600mV.
53	541	50	48		MP288a	Vi 250 VACΔ,47-1.0kHz;Vo±15V;Io 240mAΔ;Reg line and load .10%Δ,TC .02%/°CΔ.
54	550	50	27		MP285	Vi 125 VACΔ, 50-400Hz;Vo±15V;Io 50mAΔ;Reg.line and load .05%Δ;TC .04%/°CΔ.
55	551	50	27		MP285	Vi 125 VACΔ, 50-400Hz;Vo±15V;Io 100mAΔ;Reg.line and load .05%Δ;TC .04%/°CΔ.
56	552	50	27		MP285a	Vi 125 VACΔ, 50-400Hz;Vo±15V;Io 200mAΔ;Reg.line and load .05%Δ;TC .04%/°CΔ.
57	553	50	27		MP285a	Vi 125 VACΔ, 50-400Hz;Vo±15V;Io 400mAΔ;Reg.line and load .05%Δ;TC .04%/°CΔ.
58	560	50	27		MP285	Vi 125 VACΔ, 50-400Hz;Vo 5.0V;Io 250mAΔ;Reg.line and load .05%Δ;TC .04%/°CΔ.
59	561	50	27		MP285a	Vi 125 VACΔ, 50-400Hz;Vo 5.0V;Io 500mAΔ;Reg.line and load .05%Δ;TC .04%/°CΔ.
60	562	50	27		MP285a	Vi 125 VACΔ, 50-400Hz;Vo 5.0V;Io 1.0AΔ;Reg.line and load .05%Δ;TC .04/°CΔ.
61	570	50	27		MP285	Vi 125 VACΔ, 50-400Hz;Vo±12V;Io 200mAΔ;Reg.line and load .05%Δ;TC .04%/°CΔ.
62	571	50	27		MP285a	Vi 125VACΔ,50-400Hz;Vo±18V;Io 130mAΔ;Reg line and load .05%Δ;TC .04%/°CΔ.
63	572	50	27		MP285a	Vi 125 VACΔ, 50-400Hz;Vo±26V;Io 100mAΔ;Reg.line and load .05%Δ;TC .04%/°CΔ.
64	580	50	27		MP285	Vi 125 VACΔ, 50-400Hz;Vo 10V;Io 120mAΔ;Reg.line and load .02%Δ;TC .02%/°CΔ.
65	581	50	27		MP285	Vi 125 VACΔ, 50-400Hz;Vo 12V;Io 100mAΔ;Reg.line and load .02%Δ;TC .02%/°CΔ.
66	892	50	28		MP☑	Vi 115VΔVo±15V;Io 100mA;Line and Load Reg .02%.
67	902	50	07		MP81	Vi 115VACt;Vo±15V at 0.0 to 100mAt;TC 15m%/°CΔ;Reg. line 50m%Δ, load 100m%Δ.
68	902E	50	07		MP81	Vi 220VACt;Vo±15V at 0.0 to 100mAt;TC 15m%/°CΔ;Reg. line 50m%Δ, load 100m%Δ.
69	903	50	07		MP81a	Vi 115VACt;Vo 5.0V at 0.0 to 500mAt;TC 20m%/°CΔ;Reg.line 150m%Δ, load 300m%Δ.
70	903E	50	07		MP81a	Vi 220VACt;Vo 5.0V at 0.0 to 500mAt;TC 20m%/°CΔ;Reg.line 150m%Δ, load 300m%Δ.
71	904	50	07		MP81b	Vi 115VACt;Vo±15V at 0.0 to 50mAt;TC 30m%/°CΔ;Reg. line 100m%Δ, load 100m%Δ.
72	904E	50	07		MP81b	Vi 220VACt;Vo±15V at 0.0 to 50mAt;TC 30m%/°CΔ;Reg. line 100m%Δ, load 100m%Δ.
73▼	8400	50	27		MP253a	115VAC;Vo ±15V;Io 200mA;Line and Load Reg .02%.
74▼	8410	50	27		MP312	115VAC;Vo ±15V;Io 25mA;Line and Load Reg .25%.
75	A902	50	07			Vi 125VACΔ;Vo ±15V;Freq. 50-400Hz;Tc 15m%/°C;Line Reg .015%Δ;Load Reg .03Δ.
76	A903	50	07			Vi 125VACΔ;Vo 5.0V;Freq 50-400Hz;Tc 15m%/°C;Line Reg .20%Δ;Load Reg .20%Δ.
77	A904	50	07			Vi 125VACΔ;Vo ±15V;Freq 50-400Hz;Tc 15m%/°C;Line Reg .015%Δ;Load Reg .03Δ.
78	A905	50	07			Vi 125VACΔ;Vo 5.0V;Freq 50-400Hz;Tc 15m%/°C;Line Reg .015%Δ;Load Reg .20%Δ.
79▼	A906	50	07			Vin 105-125VAC;VO ±15VDC;IO 0-300mA;Freq. 50-400Hz;Tc .015%/°C.
80▼	A908	50	07		MP305a	Vin 105-125VAC;VO ±15VDC;IO 0-100mA;Tc .015%/°C;Regulation Line .015%,Load .03%.
81	A955	50	07		MP257	Vi 125VmsΔ;Vo±15V;Freq 50-400Hz;Tc 15m%/°C;Line Reg .05%Δ;Load Reg .10%Δ
82	EE5S200	50	27		MP274	Vi 115VACt;Vo 5.0V;Io 200mA;Freq50-440Hz;Reg.Line.25% and Load.25%Δ;TC.02%/°Ct;Rpl 2mVrmsΔ
83	EE5S200E	50	27		MP274	Vi 220VACt;Vo 5.0V;Io 200mA;Freq50-440Hz;Reg.Line .25% and Load.25%Δ;TC.02%/°Ct;Rpl2mVrmsΔ
84▼	EE5S200EG	50	27		MP274	Vi 220Vact,50-440Hz;Vo 5.0V;Io 200mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
85▼	EE5S200G	50	27		MP274	Vi 115Vact,50-440Hz;Vo 5.0V;Io 200mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
86▼	EE5S250	50	27		MP274	Vi 115Vact,50-440Hz;Vo 5.0V;Io 250mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
87▼	EE5S250E	50	27		MP274	Vi 220Vact,50-440Hz;Vo 5.0V;Io 250mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
88▼	EE5S250EG	50	27		MP274	Vi 220Vact,50-440Hz;Vo 5.0V;Io 250mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
89▼	EE5S250G	50	27		MP274	Vi 115Vact,50-440Hz;Vo 5.0V;Io 250mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
90▼	EE5S500	50	27		MP273	Vi 115Vact,50-440Hz;Vo 5.0V;Io 500mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
91▼	EE5S500E	50	27		MP273	Vi 220Vact,50-440Hz;Vo 5.0V;Io 500mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
92	EE5S1000	50	27		MP273a	Vi 115VACt;Freq.Range 50-440Hz;VO 5Vdc at 1.0A;Reg.Line .25%,Load .25%;Noise 2.0mVrms.
93	EE5S1000E	50	27		MP273a	Vi 220VACt;Freq.Range 50-440Hz;VO 5Vdc at 1.0A;Reg.Line .25%,Load .25%;Noise 2.0mVrms.
94▼	EE10S100	50	27		MP274	Vi 115Vact,50-440Hz;Vo 10V;Io 100mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
95▼	EE10S100E	50	27		MP274	Vi 220Vact,50-440Hz;Vo 10V;Io 100mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
96▼	EE10S100EG	50	27		MP274	Vi 220Vact,50-440Hz;Vo 10V;Io 100mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
97▼	EE10S100G	50	27		MP274	Vi 115Vact,50-440Hz;Vo 10V;Io 100mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
98	EE12D25	50	27		MP274	Vi 115VACt;Vo±12V;Io 25mA;Freq 50-440Hz;Reg.Line .25% and Load.25%Δ;TC.02%†;Rpl 2.0mVrmsΔ
99	EE12D25E	50	27		MP274	Vi 220VACt;Vo±12V;Io 25mA;Freq50-440Hz;Reg.Line.25% and Load.25%Δ;TC.02%/°Ct;Rpl2.0mVrmsΔ
100▼	EE12D25EG	50	27		MP274	Vi 220Vact,50-440Hz;Vo±12V;Io 25mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
101▼	EE12D25G	50	27		MP274	Vi 115Vact,50-440Hz;Vo±12V;Io 25mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
102▼	EE12D50	50	27		MP274	Vi 115Vact,50-440Hz;Vo±12V;Io 50mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
103▼	EE12D50E	50	27		MP274	Vi 220Vact,50-440Hz;Vo±12V;Io 50mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
104▼	EE12D50EG	50	27		MP274	Vi 220Vact,50-440Hz;Vo±12V;Io 50mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
105▼	EE12D50G	50	27		MP274	Vi 115Vact,50-440Hz;Vo±12V;Io 50mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
106▼	EE12D100	50	27		MP273	Vi 115Vact,50-440Hz;Vo±12V;Io 100mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
107▼	EE12D100E	50	27		MP273	Vi 220Vact,50-440Hz;Vo±12V;Io 100mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
108▼	EE12D200	50	27		MP273a	Vi 115Vact,50-440Hz;Vo±12V;Io 200mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
109▼	EE12D200E	50	27		MP273a	Vi 220Vact,50-440Hz;Vo±12V;Io 200mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
110▼	EE12S100	50	27		MP274	Vi 115Vact,50-440Hz;Vo 12V;Io 100mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.

IN ORDER OF (1) USE (2) TYPE No.

LINE No.	[2] TYPE No.	[1] USE	TC EO MD PE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1▼	EE12S100E	50	27		MP274	Vi 220Vact,50-440Hz;Vo 12V;Io 100mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
2▼	EE12S100EG	50	27		MP274	Vi 220Vact,50-440Hz;Vo 12V;Io 100mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
3▼	EE12S100G	50	27		MP274	Vi 115Vact,50-440Hz;Vo 12V;Io 100mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
4	EE15D25	50	27		MP274	Vi 115VAC†;Vo±15V;Io 25mA;Freq 50-440Hz;Reg.Line.25% and Load.25%Δ;TC.02%/°C†;Rpl2.0mVrmsΔ
5	EE15D25E	50	27		MP274	Vi 220VAC†;Vo±15V;Io 25mA;Freq50-440Hz;Reg.Line.25% and Load.25%Δ;TC.02%/°C†;Rpl2.0mVrmsΔ
6▼	EE15D25EG	50	27		MP274	Vi 220Vact,50-440Hz;Vo±15V;Io 25mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
7▼	EE15D25G	50	27		MP274	Vi 115Vact,50-440Hz;Vo±15V;Io 25mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
8▼	EE15D50	50	27		MP274	Vi 115Vact,50-440Hz;Vo±15V;Io 50mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
9▼	EE15D50E	50	27		MP274	Vi 220Vact;50-440Hz;Vo±15V;Io 50mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
10▼	EE15D50EG	50	27		MP274	Vi 220Vact,50-440Hz;Vo±15V;Io 50mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
11▼	EE15D50G	50	27		MP274	Vi 115Vact,50-440Hz;Vo±15V;Io 50mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
12	EE15D100	50	27		MP273	VI 115VAC†;Freq.Range 50-440Hz;VO ±15Vdc at 100mA;Reg.Line .25%,Load .25%;Noise 2.0mVrms.
13	EE15D100E	50	27		MP273	VI 220VAC†;Freq.Range 50-440Hz;VO ±15Vdc at 100mA;Reg.Line .25%,Load .25%;Noise 2.0mVrms.
14	EE15D200	50	27		MP273a	VI 115VAC†;Freq.Range 50-440Hz;VO ±15Vdc at 200mA;Reg.Line .25%,Load .25%;Noise 2.0mVrms.
15	EE15D200E	50	27		MP273a	VI 220VAC†;Freq.Range 50-440Hz;VO ±15Vdc at 200mA;Reg.Line .25%,Load .25%;Noise 2.0mVrms.
16▼	EE15S100	50	27		MP274	Vi 115Vact,50-440Hz;Vo 15V;Io 100mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
17▼	EE15S100E	50	27		MP274	Vi 220Vact,50-440Hz;Vo 15V;Io 100mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
18▼	EE15S100EG	50	27		MP274	Vi 220Vact,50-440Hz;Vo 15V;Io 100mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
19▼	EE15S100G	50	27		MP274	Vi 115Vact,50-440Hz;Vo 15V;Io 100mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
20♦	L5S500	50	27		MP304	Vi 115VAC†;Freq.Range 50-440Hz;Vo 5Vdc at 500mA;Reg Line .05%,Load .10%;Noise 2.0mVrms.
21♦	L5S1000	50	27		MP304	Vi 115VAC†;Freq.Range 50-440Hz;Vo 5Vdc at 1.0A;Reg Line .05%,Load .10%;Noise 2.0mVrms.
22	L15D100	50	27			VI 115VAC†;Freq.Range 50-440Hz;VO ±15Vdc at 100mA;Reg.Line .05%,Load .10%;Noise 2.0mVrms.
23	L15D200	50	27			VI 115VAC†;Freq.Range 50-440Hz;VO ±15Vdc at 200mA;Reg.Line .05%,Load .10%;Noise 2.0mVrms.
24	LCD2.12.100	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±12V;Io 100mA;Reg.load and line .2%;TC .02%/°C†;Rpl 1.0mVrms.
25	LCD2.12.25	50	27		MP198	Vi 115VAC†,50-44oHz;Vo±12V;Io 25mA;Reg.load and line .2%;TC .02%/°C†;Rpl 1.0mVrms.
26	LCD2.12.50	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±12V;Io 50mA;Reg.load and line .2%;TC .02%/°C†;Rpl 1.0mVrms.
27	LCD2.15.100	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±15V;Io 100mA;Reg.load and line .2%;TC .02%/°C†;Rpl 1.0mVrms.
28	LCD2.15.25	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±15V;Io 25mA;Reg.load and line .2%;TC .02%/°C†;Rpl 1.0mVrms.
29	LCD2.15.50	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±15V;Io 50mA;Reg.load and line .2%;TC .02%/°C†;Rpl 1.0mVrms.
30	LCD2.18.25	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±18V;Io 25mA;Reg.load and line .2%;TC .02%/°C†;Rpl 1.0mVrms.
31	LCD2.18.50	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±18V;Io 50mA;Reg.load and line .2%;TC .02%/°C†;Rpl 1.0mVrms.
32	LCD2.24.50	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±24V;Io 50mA;Reg.load and line .2%;TC .02%/°C†;Rpl 1.0mVrms.
33	LCD2.6.25	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±6V;Io 25mA;Reg.load and line .2%;TC .02%/°C†;Rpl 1.0mVrms.
34	LCD2.6.50	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±6V;Io 50mA;Reg.load and line .2%;TC .02%/°C†;Rpl 1.0mVrms.
35	M50-15	50	26		MP81b	Vo ±15;Vi 50mA;Reg. .02% line; .05% load;Rpl 2.0mV.
36	M100-15	50	26		MP81b	Vo ±15;Vi 100mA;Reg. .02% line; .05% load;Rpl 2.0mV.
37	M500-5	50	26		MP81b	Vo 5.0;Vi 500mA;Reg .05% line; .10% load;Rpl 4.0mV.
38	M5015	50	26			ΔVo 30V;Io 50mA†;Tc .02%/°C;Reg .10%;Pl 105V;freq 50-440Hz;Rpl 2.0mV
39	M5015OS	50	26			ΔVo 30V;Io 50mA†;Tc .02%/°C;Reg .10%;Pl 220V;freq 50-440Hz;Rpl 2.0mV
40	M10015	50	26			ΔVo 30V;Io 100mA†;Tc .02%/°C;Reg .10%;Pl 105V;freq 50-440Hz;Rpl 2.0mV
41	M10015OS	50	26			ΔVo 30V;Io 100mA†;Tc .02%/°C;Reg .10%;Pl 220V;freq 50-440Hz;Rpl 2.0mV
42	MPD5-150A	50	57		MP133	Vi 115VAC†;Vo 5.0V at 600mA† or 150V at 5.0mA†;TC 50m%/°CΔ;Reg. line 5.0m%Δ, load 12.5mV.
43	MPD5-750A	50	57		MP133	Vi 115VAC†;Vo 5.0V at 750mA†;TC 50m%/°CΔ;Reg. line 5.0m%Δ, load 12.5mV.
44	MPD15-100A	50	57		MP134	Vi 115VAC†;Vo±15V at 100mA†;TC 15m%/°CΔ;Reg. line 5.0m%Δ, load 20m%Δ.
45	MPD15-300A	50	57		MP135	Vi 115VAC†;Vo±15V at 300mA†;TC 15m%/°CΔ;Reg. line 5.0m%Δ, load 20m%Δ.
46	NT008	50	27		MP180	Vi 115 VAC†;ΔVo 0.0-8.0;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
47	NT010	50	27		MP180a	Vi 115 VAC†;ΔVo 0.0-10;Io 750mA;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
48	NT015	50	27		MP180a	Vi 115 VAC†;ΔVo 0.0-15;Io 500mA;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
49	NT025	50	27		MP180	Vi 115 VAC†;ΔVo 0.0-25;Io 750mA;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
50	NT040	50	27		MP180	Vi 115 VAC†;ΔVo 0.0-40;Io 500mA;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
51	P1.10.100J	50	27		MP231	Vi 115VAC†,50-440Hz;Vo 10V;Io 100mA;Reg load .05%,line .01%;Isol 100GΩ*;Ileakage 5.0uAΔ.
52	P1.5.1000	50	27		MP198a	Vi 115VAC†,50-440Hz;Vo 5.0V;Io 1000mA;Reg load .1%,line .05%;TC .02%/°C†;Rpl 1.0mVrms.
53	P1.5.250	50	27		MP198b	Vi 115VAC†,50-440Hz;Vo 5.0V;Io 250mA;Reg load .1%,line .05%;TC .02%/°C†;Rpl 1.0mVrms.
54	P1.5.500	50	27		MP198b	Vi 115VAC†,50-440Hz;Vo 5.0V;Io 500mA;Reg load .1%,line .05%;TC .02%/°C†;Rpl 1.0mVrms.
55	P2.10.100J	50	27		MP231	Vi 115VAC†,50-440Hz;Vo±10V;Io 100mA;Reg load .05%,line .01%;Isol 100GΩ*;Ileakage 5.0uAΔ.
56	P2.10.50J	50	27		MP231	Vi 115VAC†,50-440Hz;Vo±10V;Io 50mA;Reg load .05%,line .01%;Isol 100GΩ*;Ileakage 5.0uAΔ.
57	P2.12.100	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±12V;Io 100mA;Reg load .05%,line .01%;TC .015%/°C†;Rpl 1.0mVrmsΔ.
58	P2.12.100-6.100	50	27		MP198	Vi 115VAC†,50-440Hz;Vo 12,-6.0;Io 100mA;Reg load .05%,line .01%;TC .015%/°C†;Rpl 1.0Vrms Δ.
59	P2.12.200	50	27		MP198c	Vi 115VAC†,50-400Hz;Vo±12V;Io 200mA;Reg load .05%,line .01%;TC.02%/°C†;Rpl 1.0mVrms.
60	P2.12.50-6.50	50	27		MP198	Vi 115VAC†,50-440Hz;Vo 12,-6.0;Io 50mA;Reg load .05%,line .01%;TC .015%/°C†;Rpl 1.0mVrmsΔ.
61	P2.12.50J	50	27		MP231	Vi 115VAC†,50-440Hz;Vo±12V;Io 50mA;Reg load .05%,line .01%;Isol 100GΩ*;Ileakage 5.0uAΔ.
62	P2.12.60	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±12V;Io 60mA;Reg load .05%,line .01%;TC .015%/°C†;Rpl 1.0mVrmsΔ.
63	P2.15.100	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±15V;Io 100mA;Reg load .05%,line .01%;TC .015%/°C†;Rpl 1.0mVrmsΔ.
64	P2.15.100J	50	27		MP231	Vi 115VAC†,50-440Hz;Vo±15V;Io 100mA;Reg load .05%,line .01%;Isol 100GΩ*;Ileakage 5.0uAΔ.
65	P2.15.200	50	27		MP198c	Vi 115VAC†,50-400Hz;Vo±15V;Io 200mA;Reg load .05%,line .01%;TC .02%/°C†;Rpl 1.0mVrms.
66	P2.15.50J	50	27		MP231	Vi 115VAC†,50-440Hz;Vo±15V;Io 50mA;Reg load .05%,line .01%;Isol 100GΩ*;Ileakage 5.0uAΔ.
67	P2.15.60	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±15V;Io 60mA;Reg load .05%,line .01%;TC .015%/°C†;Rpl 1.0mVrmsΔ.
68	P2.18.100	50	27		MP198c	Vi 115VAC†,50-400Hz;Vo±18V;Io 100mA;Reg load .05%,line .01%;TC .02%/°C†;Rpl 1.0mVrms.
69	P2.18.50	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±18V;Io 50mA;Reg load .05%,line .01%;TC .015%/°C†;Rpl 1.0mVrmsΔ.
70	P2.24.100	50	27		MP198c	vi 115VAC†,50-400Hz;Vo±24V;Io 100mA;Reg load .05%,line .01%;TC .02%/°C†;Rpl 1.0mVrms.
71	P2.24.50	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±24V;Io 50mA;Reg load .05%,line .01%;TC .015%/°C†;Rpl 1.0mVrmsΔ.
72	P2.30.100	50	27		MP198c	Vi 115VAC†,50-400Hz;Vo±30V;Io 100mA;Reg load .05%,line .01%;TC .02%/°C†;Rpl 1.0mVrms.
73	P2.30.50	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±30V;Io 50mA;Reg load .05%,line .01%;TC .015%/°C†;Rpl 1.0mVrmsΔ.
74	P741-312	50	27		MP198d	Vi 115VAC;Vo ±12V;Io 30mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
75	P741-312K	50	27		MP198d	Vi 220VAC;Vo ±12V;Io 30mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
76	P741-315	50	27		MP198d	Vi 115VAC;Vo ±15V;Io 30mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
77	P741-315K	50	27		MP198d	Vi 220VAC;Vo ±15V;Io 30mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
78	P741-318	50	27		MP198d	Vi 115VAC;Vo ±18V;Io 30mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
79	P741-318K	50	27		MP198d	Vi 220VAC;Vo ±18V;Io 30mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
80	P741-322	50	27		MP198d	Vi 115VAC;Vo ±22V;Io 30mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
81	P741-322K	50	27		MP198d	Vi 220VAC;Vo ±22V;Io 30mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms
82	P741-518	50	27		MP198d	Vi 115VAC;Vo ±18V;Io 50mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
83	P741-518K	50	27		MP198d	Vi 220VAC;Vo ±18V;Io 50mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
84	P741-522	50	27		MP198d	Vi 115VAC;Vo ±22V;Io 50mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
85	P741-522K	50	27		MP198d	Vi 220VAC;Vo ±22V;Io 50mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
86	P741-612	50	27		MP198d	Vi 115VAC;Vo ±12V;Io 60mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
87	P741-612K	50	27		MP198d	Vi 220VAC;Vo ±12V;Io 60mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
88	P741-615	50	27		MP198d	Vi 115VAC;Vo ±15V;Io 60mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
89	P741-615K	50	27		MP198d	Vi 220VAC;Vo ±15V;Io 60mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
90	P741-1005	50	27		MP198d	Vi 115VAC;Vo 5.0V;Io 100mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms
91	P741-1005K	50	27		MP198d	Vi 220VAC;Vo 5.0V;Io 100mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms
92	P741-1006	50	27		MP198d	Vi 115VAC;Vo ±6V;Io 100mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
93	P741-1006K	50	27		MP198d	Vi 220VAC;Vo ±6V;Io 100mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
94	P741-1012	50	27		MP198d	Vi 115VAC;Vo ±12V;Io 100mA;Freq 40-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms
95	P741-1012K	50	27		MP198d	Vi 220VAC;Vo ±12V;Io 100mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms
96	P741-1015	50	27		MP198d	Vi 115VAC;Vo ±15V;Io 100mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms
97	P741-1015K	50	27		MP198d	Vi 220VAC;Vo ±15V;Io 100mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms
98	P741-2005	50	27		MP198d	Vi 115VAC;Vo ±5V;Io 200mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
99	P741-2005K	50	27		MP198d	Vi 220VAC;Vo ±5V;Io 200mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
100	P741-2006	50	27		MP198d	Vi 115VAC;Vo ±6V;Io 200mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
101	P741-2006K	50	27		MP198d	Vi 220VAC;Vo ±6V;Io 200mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
102	P741-2505S	50	27		MP198e	Vi 115VAC;Vo 5.0V;Io 250mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms
103	P741-2505SK	50	27		MP198e	Vi 220VAC;Vo 5.0V;Io 250mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms
104	P741-3005	50	27		MP198d	Vi 115VAC;Vo ±5V;Io 300mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
105	P741-3005K	50	27		MP198d	Vi 220VAC;Vo ±5V;Io 300mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms.
106	P741-5005S	50	27		MP198e	Vi 115VAC;Vo 5.0V;Io 500mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms
107	P741-5005SK	50	27		MP198e	Vi 220VAC;Vo 5.0V;Io 500mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms
108	PM408	50	07		MP97	Vi 115†;Vo 5.0V□;Io 125mA;Freq 60 to 400Hz;Tc 50m%/°C;Load Reg .06%;Line Reg .08%.
109	PM419	50	28		MP97	Vi 115VAC†;Vo 170V;Io 10mA;Freq. 60-400Hz;Tc 200m%/°C max;Load and Line Reg. ± 1%.
110	PM420	50	28		MP97	Vi 115VAC†;Vo 180V;Io 10mA;Freq. 60-400Hz;Tc 200m%/°C max;Load and Line Reg. ± 1%.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

LINE No.	2 TYPE No.	1 USE	T C E O M D P E -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	PM422	50	28		MP97	Vi-115Vt;Vo-6.0V;Io-200mA;Freq-60 to 400Hz;Tc-50m%/°C;Load and Line Reg-.050%
2	PM426	50	28		MP97	Vi-115Vt;Vo-±24V;Io-100mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.02%
3	PM428	50	28		MP97	Vi 115VACt;Vo±18V;Io 65mA;Freq. 60-400Hz;Tc 20m%/°C max;Load and Line Reg. 20m%.
4	PM429	50	28		MP97	Vi-115Vt;Vo-5.0V;Io-250mA;Freq-60 to 400Hz;Tc-50m%/°C;Load and Line Reg-.050%
5	PM441	50	28		MP97	Vi 115Vt;Vo 48V;Io 50mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .02%.
6	PM444	50	28		MP97	Vi 115Vt;Vo 3.6V;Io 250mA;Freq 60 to 400Hz;Tc 50m%/°C;Load and Line Reg .050%.
7	PM452	50	28		MP97	Vi-115Vt;Vo-±30V;Io-100mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.02%
8	PM460	50	28		MP97	Vi 115Vt;Vo 18V;Io 65mA;Freq 60 to 400Hz;Tc 50m%/°C;Line and Load Reg .020%.
9	PM462	50	28		MP97	Vi 115Vt;Vo 28V;Io 40mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .02%.
10	PM463	50	28		MP97	Vi-115Vt;Vo-12V;Io-100mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.020%
11	PM474	50	28		MP97	Vi-115Vt;Vo-20V;Io-60mA;Freq-60 to 400Hz;Tc 20m%/°C;Line and Load Reg-.020%
12	PM476	50	28		MP97	Vi 115Vt;Vo 15V;Io 100mA;Freq 60 to 400Hz;Tc 50m%/°C;Line and Load Reg .020%.
13	PM485	50	28		MP9	Vi 115Vt;Vo 24V;Io 50mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .020%.
14	PM487	50	28		MP97	Vi-115Vt;Vo-10V;Io-120mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.020%
15	PM493	50	28		MP97	Vi 115Vt;Vo ±10V;Io 120mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .02%.
16	PM502	50	28		MP☐	Vi 115Vt;Vo ±15V;Io 100mA;Freq 50 to 400Hz;Tc 20m%/°C;Line and Load Reg .02%.
17	PM508	50	07		MP94	Vi 115t;Vo 5.0V☐;Io 125mA;Freq 60 to 400Hz;Tc 50m%/°C;Load Reg .06%;Line Reg .08%.
18	PM519	50	28		MP94	Vi 115VACt;Vo 170V;Io 10mA;Freq. 60-400Hz;Tc 200m%/°C max;Load and Line Reg. ± 1%.
19	PM520	50	28		MP94	Vi 115VACt;Vo 180V;Io 10mA;Freq. 60-400Hz;Tc 200m%/°C max;Load and Line Reg. ± 1%.
20	PM522	50	28		MP94	Vi-115Vt;Vo-6.0V;Io-200mA;Freq-60 to 400Hz;Tc-50m%/°C;Load and Line Reg-.050%
21	PM524	50	27		MP198b	Vi 115t☐;Vo 5.0V;Io 500mA;Freq 50 to 400Hz;Tc 20m%/°C;Load Reg .10%;Line Reg .05%.
22	PM526	50	28		MP95	Vi-115Vt;Vo-±24V;Io-100mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.02%
23	PM528	50	28		MP95	Vi 115VACt;Vo±18V;Io 65mA;Freq. 60-400Hz;Tc 20m%/°C max;Load and Line Reg. 20m%.
24	PM529B	50	27		MP94	Vi 115t;Vo 5.0V;Io 250mA;Freq 60 to 400Hz;Tc 50m%/°C;Load and Line Reg .05%.
25	PM532	50	27		MP198a	Vi 115t☐;Vo 5.0V;Io 1.0A;Freq 50 to 400Hz;Tc 20m%/°C;Load Reg .10%;Line Reg. .05%.
26	PM541	50	28		MP95	Vi 115Vt;Vo 48V;Io 50mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .02%.
27	PM544	50	28		MP94	Vi-115Vt;Vo-3.6V;Io-250mA;Freq-60 to 400Hz;Tc-50m%/°C;Load and Line Reg-.050%
28	PM551	50	27		MP243	Vi 115t☐;Vo ±15V;Io 65mA;Freq 60 to 400Hz;Tc 20m%/°C;Load Reg .02%;Line Reg .04%.
29	PM552	50	28		MP95	Vi-115Vt;Vo-±30V;Io-100mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.02%
30	PM555	50	27		MP243	Vi 115t☐;Vo ±15V;Io 100mA;Freq 60 to 400Hz;Tc 20m%/°C;Load Reg .03%;Line Reg .02%.
31	PM559	50	27		MP198c	Vi 115t;Vo ±15V;Io 200mA;Freq 50 to 400Hz;Tc 20m%/°C;Load Reg .05%;Line Reg .01%.
32	PM560	50	28		MP93	Vi-115Vt;Vo-18V;Io-65mA;Freq-60 to 400Hz;Tc 20m%/°C;Line and Load Reg-.020%
33	PM562	50	28		MP93	Vi 115Vt;Vo 28V;Io 40mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .02%.
34	PM563	50	28		MP93	Vi-115Vt;Vo-12V;Io-100mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.020%
35	PM568	50	27		MP244	Vi 115t☐;Vo ±15V;Io 25mA;Freq 50 to 400Hz;Tc 20m%/°C;Load and Line Reg .10%.
36	PM570	50	26		MP245	Vi 115t☐;Vo ±15V;Io 150mA;Freq 50 to 400Hz;Tc 20m%/°C;Load and Line Reg .03%.
37	PM574	50	28		MP93	Vi-115Vt;Vo-20V;Io-60mA;Freq-60 to 400Hz;Tc 20m%/°C;Line and Load Reg-.020%
38	PM576	50	28		MP93	Vi 115Vt;Vo 15V;Io 100mA;Freq 60 to 400Hz;Tc 50m%/°C;Line and Load Reg .020%.
39	PM585	50	28		MP9	Vi 115Vt;Vo 24V;Io 50mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .020%.
40	PM587	50	28		MP93	Vi-115Vt;Vo-10V;Io-120mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.020%
41	PM593	50	28		MP95	Vi 115Vt;Vo ±10V;Io 120mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .02%.
42	PM608	50	07		MP96	Vi 115t;Vo 5.0V☐;Io 125mA;Freq 60 to 400Hz;Tc 50m%/°C;Load Reg .06%;Line Reg .08%.
43	PM619	50	28		MP96	Vi 115VACt;Vo 170V;Io 10mA;Freq. 60-400Hz;Tc 200m%/°C max;Load and Line Reg. ± 1%.
44	PM620	50	28		MP96	Vi 115VACt;Vo 180V;Io 10mA;Freq. 60-400Hz;Tc 200m%/°C max;Load and Line Reg. ± 1%.
45	PM622	50	28		MP96	Vi-115Vt;Vo-6.0V;Io-200mA;Freq-60 to 400Hz;Tc-50m%/°C;Load and Line Reg-.050%
46	PM626	50	28		MP96	Vi-115Vt;Vo-±24V;Io-100mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.02%
47	PM628	50	28		MP96	Vi 115VACt;Vo±18V;Io 65mA;Freq. 60-400Hz;Tc 20m%/°C max;Load and Line Reg. 20m%.
48	PM629	50	28		MP96	Vi-115Vt;Vo-5.0V;Io-250mA;Freq-60 to 400Hz;Tc-50m%/°C;Load and Line Reg-.050%
49	PM641	50	28		MP96	Vi 115Vt;Vo 48V;Io 50mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .02%.
50	PM644	50	28		MP96	Vi-115Vt;Vo-3.6V;Io-250mA;Freq-60 to 400Hz;Tc-50m%/°C;Load and Line Reg-.050%
51	PM652	50	28		MP96	Vi-115Vt;Vo-±30V;Io-100mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.02%
52	PM660	50	28		MP96	Vi-115Vt;Vo-18V;Io-65mA;Freq-60 to 400Hz;Tc 20m%/°C;Line and Load Reg-.020%
53	PM662	50	28		MP96	Vi 115Vt;Vo 28V;Io 40mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .02%.
54	PM663	50	28		MP96	Vi-115Vt;Vo-12V;Io-100mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.020%
55	PM674	50	28		MP96	Vi-115Vt;Vo-20V;Io-60mA;Freq-60 to 400Hz;Tc 20m%/°C;Line and Load Reg-.020%
56	PM676	50	28		MP96	Vi 115Vt;Vo 15V;Io 100mA;Freq 60 to 400Hz;Tc 50m%/°C;Line and Load Reg .020%.
57	PM685	50	28		MP9	Vi 115Vt;Vo 24V;Io 50mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .020%.
58	PM687	50	28		MP96	Vi-115Vt;Vo-10V;Io-120mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.020%
59	PM693	50	28		MP96	Vi-115Vt;Vo-±10V;Io-120mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.02%
60	PM810	50	28		MP94a	Vi 115VACt at 60Hz;Eout 5V-9V;Iload 440mA-15mA;Eripple 650mV-60mV.
61	PM816	50	28		MP94a	Vi 115VACt at 60Hz;Eout 7V-11V;Iload 340mA-10mA;Eripple 550mV-55mV.
62	PM820	50	28		MP94a	Vi 115VACt at 60Hz;Eout 8V-13V;Iload 300mA-0;Eripple 550mV-50mV.
63	PM830	50	28		MP94a	Vi 115VACt at 60Hz;Eout 16V-22V;Iload 165mA-15mA;Eripple 2.2V-300mV.
64	PM836	50	28		MP94a	Vi 115VACt at 60Hz;Eout 25V-35V;Iload 100mA-5.0mA;Eripple 1.5V-250mV.
65	PM840	50	28		MP94a	Vi 115VACt at 60Hz;Eout 30V-45V;Iload 85mA-5.0mA;Eripple 4.3V-500mV.
66	PS101	50	17	Z100	MP201	Vi 115VACt;Vo ±15V;Io 50mA;Freq 50-400Hz;Line Reg .005%;Load Reg .02%;TC .01%.
67	PS102	50	17	Z100	MP201	Vi 115VACt;Vo ±15V;Io 80mA;Freq 50-400Hz;Line Reg .005%;Load Reg .02%;TC .01%.
68	PS103	50	17	Z100	MP201	Vi 115VACt;Vo ±15V;Io 100mA;Freq 50-400Hz;Line Reg .005%;Load Reg .02%;TC .01%.
69	PS104	50	17	Z100	MP201a	Vi 115VACt;Vo ±15V;Io 200mA;Freq 50-400Hz;Line Reg .005%;Load Reg .02%;TC .01%.
70	PS121	50	07	Z100	MP201	Vi 115VACt;Vo ±15V;Io 50mA;Freq 50-400Hz;Line Reg .01%;Load Reg .10%;TC .02%.
71	PS122	50	07	Z100	MP201	Vi 115VACt;Vo ±15V;Io 80mA;Freq 50-400Hz;Line Reg .01%;Load Reg .10%;TC .02%.
72	PS123	50	07	Z100	MP201	Vi 115VACt;Vo ±15V;Io 100mA;Freq 50-400Hz;Line Reg .01%;Load Reg .05%;TC .02%.
73	PS124	50	07	Z100	MP201a	Vi 115VACt;Vo ±15V;Io 200mA;Freq 50-400Hz;Line Reg .01%;Load Reg .05%;TC .02%.
74	PS153	50	07	Z102	MP201	Vi 115VACt;Vo 5.0V;Io 500mA;Freq 50-400Hz;Line Reg .05%;Load Reg .10%;TC .05%.
75	PS154	50	07	Z102	MP201a	Vi 115VACt;Vo 5.0V;Io 1.0A;Freq 50-400Hz;Line Reg .05%;Load Reg .10%;TC .05%.
76	PS163	50	47	Z102	MP201	Vi 115VACt;Vo 5.0V;Io 500mA;Freq 50-400Hz;Line Reg .02%;Load Reg .05%;TC .02%.
77	PS164	50	47	Z102	MP201a	Vi 115VACt;Vo 5.0V;Io 1.0A;Freq 50-400Hz;Line Reg .02%;Load Reg .05%;TC .02%.
78	SE5D100	50	27		MP273	VI 115VACt;Freq.Range 50-440Hz;VO ±5Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
79	SE5D100E	50	27		MP273	VI 220VACt;Freq.Range 50-440Hz;VO ±5Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
80	SE5D250	50	27		MP273	VI 115VACt;Freq.Range 50-440Hz;VO ±5Vdc at 250mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
81	SE5D250E	50	27		MP273	VI 220VACt;Freq.Range 50-440Hz;VO ±5Vdc at 250mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
82	SE5S250	50	27		MP273	VI 115VACt;Freq.Range 50-440Hz;VO 5Vdc at 250mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
83	SE5S250E	50	27		MP273	VI 220VACt;Freq.Range 50-440Hz;VO 5Vdc at 250mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
84	SE5S500	50	27		MP273	VI 115VACt;Freq.Range 50-440Hz;VO 5Vdc at 500mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
85	SE5S500E	50	27		MP273	VI 220VACt;Freq.Range 50-440Hz;VO 5Vdc at 500mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
86	SE5S1000	50	27		MP273a	VI 115VACt;Freq.Range 50-440Hz;VO 5Vdc at 1.0A;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
87	SE5S1000E	50	27		MP273a	VI 220VACt;Freq.Range 50-440Hz;VO 5Vdc at 1.0A;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
88	SE10S200	50	27		MP273	VI 115VACt;Freq.Range 50-440Hz;VO 10Vdc at 200mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
89	SE10S200E	50	27		MP273	VI 220VACt;Freq.Range 50-440Hz;VO 10Vdc at 200mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
90	SE12D50	50	27		MP273	VI 115VACt;Freq.Range 50-440Hz;VO ±12Vdc at 50mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
91	SE12D50E	50	27		MP273	VI 220VACt;Freq.Range 50-440Hz;VO ±12Vdc at 50mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
92	SE12D100	50	27		MP273	VI 115VACt;Freq.Range 50-440Hz;VO ±12Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
93	SE12D100E	50	27		MP273	VI 220VACt;Freq.Range 50-440Hz;VO ±12Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
94	SE12D200	50	27		MP273a	VI 115VACt;Freq.Range 50-440Hz;VO ±12Vdc at 200mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
95	SE12D200E	50	27		MP273a	VI 220VACt;Freq.Range 50-440Hz;VO ±12Vdc at 200mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
96	SE12S200	50	27		MP273	VI 115VACt;Freq.Range 50-440Hz;VO 12Vdc at 200mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
97	SE12S200E	50	27		MP273	VI 220VACt;Freq.Range 50-440Hz;VO 12Vdc at 200mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
98	SE15D50	50	27		MP273	VI 115VACt;Freq.Range 50-440Hz;VO ±15Vdc at 50mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
99	SE15D50E	50	27		MP273	VI 220VACt;Freq.Range 50-440Hz;VO ±15Vdc at 50mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
100	SE15D100	50	27		MP273	VI 115VACt;Freq.Range 50-440Hz;VO ±15Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
101	SE15D100E	50	27		MP273	VI 220VACt;Freq.Range 50-440Hz;VO ±15Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
102	SE15D200	50	27		MP273a	VI 115VACt;Freq.Range 50-440Hz;VO ±15Vdc at 200mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
103	SE15D200E	50	27		MP237a	VI 220VACt;Freq.Range 50-440Hz;VO ±15Vdc at 200mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
104	SE15S200	50	27		MP273	VI 115VACt;Freq.Range 50-440Hz;VO 15Vdc at 200mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
105	SE15S200E	50	27		MP273	VI 220VACt;Freq.Range 50-440Hz;VO 15Vdc at 200mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
106	SE18D50	50	27		MP273	VI 115VACt;Freq.Range 50-440Hz;VO ±18Vdc at 50mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
107	SE18D50E	50	27		MP273	VI 220VACt;Freq.Range 50-440Hz;VO ±18Vdc at 50mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
108	SE18D100	50	27		MP237a	VI 115VACt;Freq.Range 50-440Hz;VO ±18Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
109	SE18D100E	50	27		MP237a	VI 220VACt;Freq.Range 50-440Hz;VO ±18Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
110	SE18S100	50	27		MP273	VI 115VACt;Freq.Range 50-440Hz;VO 18Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.

LINE No.	[2] TYPE No.	[1] USE	TC EO MD PE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	SE18S100E	50	27		MP273	VI 220VAC†;Freq.Range 50-440Hz;VO 18Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
2	SE20S100	50	27		MP273	VI 115VAC†;Freq.Range 50-440Hz;VO 20Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
3	SE20S100E	50	27		MP273	VI 220VAC†;Freq.Range 50-440Hz;VO 20Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
4	SE24D50	50	27		MP273	VI 115VAC†;Freq.Range 50-440Hz;VO ±24Vdc at 50mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
5	SE24D50E	50	27		MP273	VI 220VAC†;Freq.Range 50-440Hz;VO ±24Vdc at 50mA;Reg.Line .01%,Load .05%;Noise 1.0Vrms.
6	SE24S100	50	27		MP273	VI 115VAC†;Freq.Range 50-440Hz;VO 24Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
7	SE24S100E	50	27		MP273	VI 220VAC†;Freq.Range 50-440Hz;VO 24Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
8	SE28S100	50	27		MP273	VI 115VAC†;Freq.Range 50-440Hz;VO 28Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
9	SE28S100E	50	27		MP273	VI 220VAC†;Freq.Range 50-440Hz;VO 28Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
10	SE902	50	27		MP271a	Vi 115VAC†;Vo±15V;Io 100mA;Freq 50-440Hz;Reg.Load.1% and Line .05%;TC .015%/°C†;Rpl.5mVrms
11	SE902A	50	27		MP273a	Vi 115VAC†;Vo±15V;Io 100mA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.015%/°C†;Rpl.5mVrms.
12	SE902E	50	27		MP271a	Vi 220VAC†;Vo±15V;Io 100mA;Freq 50-440Hz;Reg.Load.1% and Line .05%;TC .015%/°C†;Rpl.5mVrms
13	SE902I	50	27		MP271a	Vi 115VAC†;Vo±15V;Io 100mA;Freq 50-440Hz;Reg.Load.1% and Line .05%;TC .015%/°C†;Rpl.5mVrms
14	SE903	50	27		MP271b	Vi 115VAC†;Vo 5.0V;Io 500mA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.02%/°C†;Rpl 1.0mVrms
15	SE903A	50	27		MP273b	Vi 115VAC†;Vo 5.0V;Io 500mA;Freq50-440Hz;Reg.Load.1% and Line.05%;TC.02%/°C†;Rpl 1.0mVrms
16	SE903E	50	27		MP271b	Vi 220VAC†;Vo 5.0V;Io 500mA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.02%/°C†;Rpl 1.0mVrms
17	SE904	50	27		MP271	Vi 115VAC†;Vo±15V;Io 50mA;Freq 50-440Hz;Reg.Load .1% and Line .05%;TC .015%/°C†;Rpl.5mVrms
18	SE904A	50	27		MP273	Vi 115VAC†;Vo±15V;Io 50mA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.015%/°C†;Rpl.5mVrms.
19	SE904E	50	27		MP271	Vi 220VAC†;Vo±15V;Io 50mA;Freq 50-440Hz;Reg.Load .1% and Line .05%;TC .015%/°C†;Rpl.5mVrms
20	SE904I	50	27		MP271	Vi 115VAC†;Vo±15V;Io 50mA;Freq 50-440Hz;Reg.Load .1% and Line .05%;TC .015%/°C†;Rpl.5mVrms
21	SE905	50	27		MP271b	Vi 115VAC†;Vo 5.0V;Io 1.0kA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.02%/°C;Rpl 1.0mVrms
22	SE905A	50	27		MP273b	Vi 115VAC†;Vo 5.0V;Io 1.0kA;Freq50-440Hz;Reg.Load.1% and Line.05%;TC.02%/°C†;Rpl 1.0mVrms
23	SE905E	50	27		MP271b	Vi 220VAC†;Vo 50V;Io 1.0kA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.02%/°C†;Rpl 1.0mVrms
24	SE915	50	27		MP271	Vi 115VAC†;Vo±15V;Io 25mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC .02%/°C†;Rpl 1.0mVrms
25	SE915A	50	27		MP273	Vi 115VAC†;Vo±15V;Io 25mA;Freq 50-440Hz;Reg.Load.2% and Line.2%;TC.02%/°C†;Rpl 1.0mVrms.
26	SE915E	50	27		MP271	Vi 220VAC†;Vo±15V;Io 25mA;Freq 50-440Hz;Reg.Load and Line .2%;TC .02%/°C†;Rpl 1.0mVrms.
27	SE915I	50	27		MP271	Vi 115VAC†;Vo±15V;Io 25mA;Freq 50-440Hz;Reg.Load and Line .2%;TC .02%/°C†;Rpl 1.0mVrms.
28	Z5AT500SL	50	27		MP305	Vi 115VAC†;Vo 5V;Io 500mA;Load Reg. 1%†;Line Reg. 0.2%†;Rpl 2mVrmst.
29	Z5BT250SP	50	27		MP305	Vi 230VAC†;Vo 5V;Io 250mA;Load Reg. 0.05%Δ;Line Reg. 0.02%Δ;Rpl 1mVrmst.
30	Z5BT500SP	50	27		MP305	Vi 230VAC†;Vo 5V;Io 500mA;Load Reg. 0.1%Δ;Line Reg. 0.02%Δ;Rpl 1mVrmst.
31	Z15AT25DL	50	27		MP305	Vi 115VAC†;Vo ±15V;Io 25mA;Reg.Load 0.2%Δ,Line 0.2%Δ;Rpl 2mVrmst.
32	Z15AT25DP	50	27		MP305	Vi 115VAC†;Vo ±15V;Io 25mA;Reg.Load .02%Δ,Line .02%Δ;Rpl 2mVrmst.
33	Z15AT65DL	50	27		MP305	Vi 115VAC†;Vo ±15V;Io 65mA;Reg.Load 0.2%Δ,Line 0.2%Δ;Rpl 2mVrmst.
34	Z15AT65DP	50	27		MP305	Vi 115VAC†;Vo ±15V;Io 65mA;Reg load 0.02%Δ,Line 0.02%Δ;Rpl 1mV rmst.
35	Z15AT100DL	50	27		MP305	Vi 115VAC†;Vo ±15V;Io 65mA;Reg.Load 0.2%Δ,Line 0.2%Δ;Rpl 2mVrmst.
36	Z15AT100DP	50	27		MP305	Vi 115VAC†;Vo ±15V;Io 100mA;Reg.Load .02%Δ,Line .02%Δ;Rpl 1mVrmst.
37	Z15AT100TL#1	50	27		MP305	Vi 115VAC†;Vo ±15V;Io 100mA;Load Reg. 0.2%†;Line Reg. 0.2%†;Rpl 2mVrmst.
38	Z15AT100TP#1	50	27		MP305	Vi 115VAC†;Vo ±15V;Io 100mA;Reg.Load 0.02%Δ,Line 0.02%Δ;Rpl 2mVrmst.
39	Z15AT200DP	50	27		MP305	Vi 115VAC†;Vo ± 15V;Io 200mA;Reg.Load .02%Δ,Line .02%;Rpl 2mVrmst.
40	Z15AZ30DL	50	27		MP306	Vi 115VAC†;Vo ±15V;Io 30mA;Load Reg. 0.5%†;Line Reg. 0.5%†;Rpl 5mVrmst.
41	Z15AZ30DP	50	27		MP306	Vi 115VAC†;Vo ±15V;Io 30mA;Load Reg. 0.02%Δ;Line Reg. 0.02%Δ;Rpl 2mVrmst.
42	Z15AZ65DL	50	27		MP306	Vi 115VAC†;Vo ±15V;Io 65mA;Load Reg. 0.5%†;Line Reg. 0.5%†;Rpl 5mVrmst.
43	Z15AZ65DP	50	27		MP306	Vi 115VAC†;Vo±15V;Io 65mA;Load Reg 0.02%Δ;Line Reg 0.02%Δ;Rpl 2mVrmst.
44	Z15AZ100DL	50	27		MP306	Vi 115VAC†;Vo ±15V;Io 100mA;Load Reg. 0.5%†;Line Reg. 0.5%†;Rpl 5mVrmst.
45	Z15AZ100DP	50	27		MP306	Vi 115VAC†;Vo ±15V;Io 100mA;Load Reg. 0.02%Δ;Line Reg. 0.02%Δ;Rpl 2mVrmst.
46	Z15BT25DP	50	27		MP305	Vi 230VAC†;Vo ±15V;Io 25mA;Load Reg. 0.02%Δ;Line Reg. 0.02%Δ;Rpl 2mVrmst.
47	Z15BT65DP	50	27		MP305	Vi 230VAC†;Vo ±15V;Io 65mA;Load Reg. 0.02%Δ;Line Reg. 0.02%Δ;Rpl 1mVrmst.
48	Z15BT100DP	50	27		MP305	Vi 230VAC†;Vo ±15V;Io 100mA;Load Reg. 0.02%Δ;Line Reg. 0.02%Δ;Rpl 1mVrmst.
49	868	51	5C		MP156	VS 45;Input Volt.Range 5.0V;Zout 100M;Min Out Volt.Range 40V;TC .01%/°C.
50	878	51	5C		MP156	Adj.Current Reg;Neg.Sinking;Reg. .01%;TC .01%/°C;ZO 100MΩ.
51	D4085	51	05	Z092	CB9a	Vo±22V; Io 360mA;Load-Line Reg 15%Δ;Rpl 5.0mVrmsΔ.
52	1D24-250	52	58		MP90	Vi-12V;Vo☑±4.0 to ±50V;ΔVo-10%Vo;Vo x Io-1.0W;Reg.-2.5% load,1.0% line;Rpl-.30%.
53	1D44-450	52	58		MP90	Vi-24V;Vo☑±4.0 to ±50V;ΔVo-10%Vo;Vo x Io-1.0W;Reg.-2.5% load,1.0% line;Rpl-.30%.
54	1D84-850	52	58		MP90	Vi-28V;Vo☑±4.0 to ±50V;ΔVo-10%Vo;Vo x Io-1.0W;Reg.-2.5% load,1.0% line;Rpl-.30%.
55	1S24-2100	52	58		MP90	Vi 12V;Vo☑ 4.0 to 100V;ΔVo 20%Vo;Vo x Io 1.0W;Reg 2.5% load, 1.0% line;Rpl .30%.
56	1S44-4100	52	58		MP90	Vi-24V;Vo☑-4.0 to 100V;ΔVo-20%Vo;Vo x Io-1.0W;Reg.-2.5% load,1.0% line;Rpl-.30%.
57	1S84-8100	52	58		MP90	Vi-28V;Vo☑-4.0 to 100V;ΔVo-20%Vo;Vo x Io-1.0W;Reg.-2.5% load,1.0% line;Rpl-.30%.
58	3D24-2150	52	58		MP91b	Vi-24V;Vo☑±4.0 to ±150V;ΔVo-10%Vo;Vo x Io-3.0W;Reg.-2.5% load,1.0% line;Rpl-.30%.
59	3D44-4150	52	58		MP91b	Vi-28V;Vo☑±4.0 to ±150V;ΔVo-10%Vo;Vo x Io-3.0W;Reg.-2.5% load,1.0% line;Rpl-.30%.
60	3S24-21600	52	58		MP91	Vi-24V;Vo☑-4.0 to 1600V;ΔVo-20%Vo;Vo x Io-3.0W;Reg.-2.5% load,1.0% line;Rpl-.30%.
61	3S44-41600	52	58		MP91	Vi-28V;Vo☑-4.0 to 1600V;ΔVo-20%Vo;Vo x Io-3.0W;Reg.-2.5% load,1.0% line;Rpl-.30%.
62	15D810-815	52	5A		MP140	Vi 21V;Vo☑ 10 to ± 15V;dual output;Voxlo 15W;Reg. ± 2.5% load;±.50% line;Rpl .10%.
63	15S85-815	52	5A		MP140	Vi 21V;Vo☑ 5.0 to 15V;Voxlo 15W;Reg. ± 2.5% load;±.50% line;Rpl .10%.
64	15T85-815	52	5A		MP140	Vi 21V;Vo☑ 5.0 to 15V;triple output;Voxlo 15W;Reg. ± 2.5% load;±.50% line;Rpl.10%.
65	510A25	52	28		MP290c	Vi 34 VDCΔ;Vo±15V;Io 200mAΔ;Reg.line 1.0%Δ,load .20%;TC .01%/°CΔ.
66	520-25	52	28		MP290c	Vi 14 VDCΔ;Vo±15V;Io 300mAΔ;Reg.line 1.0%Δ,load .20%;TC .02%/°CΔ.
67	528☑	52	28		MP289	Vi 34 VDCΔ;Vo±15V;Io 400mAΔ;Reg.line 1.0%Δ,load .20%;TC .02%/°CΔ.
68	546	52	5A		MP286	Vi 5.5 VDCΔ;Vo±15V;Io 240mAΔ;Reg.line and load .20%Δ;TC .02%/°CΔ.
69	9567-101-120	52	5A		MP158	Vo☑3.0 to 5000V;Voxlo 3.0W;Line Reg .50%;Load Reg 3.0%;Rpl .90%pp;TC.015%/°C.
70	9567-121-124	52	5A		MP158	Vo☑±15 to ±100V;Voxlo 3.0W;Line Reg .50%;Load Reg 3.0%;Rpl .90%pp;TC.015%/°C.
71	9583-101-118	52	5A		MP158	Vo☑ 3.0 to 3000V;Vo x Io 1.0W;Line Reg .50%;Load Reg 3.0%;Rpl .60%p-p;Tc .02%/°C.
72	9583-121	52	5A		MP158	Vo±15V;Io±33mA;Line Reg .50%;Load Reg 3.0%;Rpl .60%pp;TC.02%/°C;Ii27mA.
73	9584-102-120	52	5A		MP158	Vo☑5.0 to 5000V;Voxlo 10W;Line Reg .15%;Load Reg 3.0%;Rpl .30%pp;TC.01%/°C.
74	9584-121-124	52	5A		MP158	Vo☑±15 to ±100V;Voxlo 10W;Line Reg .15%;Load Reg 3.0%;Rpl .30%pp;TC.01%/°C.
75	9589-102-120	52	5A		MP158	Vo☑5.0 to 5000V; Voxlo 6.0W;Line Reg .10%;Load Reg 3.0%;Rpl .60%pp;TC .01%/°C.
76	9589-121-124	52	5A		MP158	Vo☑±15 to ±100V;Voxlo 6.0W;Line Reg .10%;Load Reg 3.0%;Rpl .60%pp;TC.01%/°C.
77#	AN902	52		Z174	CN27	Multi transistors;Bvc130 25V;Pt 300mW;nFE 70
78▼	CE5-5S180	52	27		MP278	Vi 5.0V;Vo 5.0V;Io 180mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
79▼	CE5-5S600	52	27		MP277	Vi 5.0V;Vo 5.0V;Io 600mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
80▼	CE5-12D100	52	27		MP277	Vi 5.0V†;Vo±12V;Io 100mA;Reg Line and Load .02%;Rpl 1.0mVrms.
81▼	CE5-12D125	52	27		MP277	Vi 5.0V;Vo±12V;Io 125mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
82▼	CE5-12D25	52	27		MP278	Vi 5.0V†;Vo±12V;Io 25mA;Reg Load and Line .02%;Rpl 1.0mVrms.
83▼	CE5-12D35	52	27		MP278	Vi 5.0V;Vo±12V;Io 35mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
84▼	CE5-12S250	52	27		MP277	Vi 5.0Vo 12V;Io 250mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
85▼	CE5-12S75	52	27		MP278	Vi 5.0V;Vo 12V;Io 75mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
86▼	CE5-15D100	52	27		MP277	Vi 5.0V;Vo±15V;Io 100mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
87▼	CE5-15D30	52	27		MP278	Vi 5.0V;Vo±15V;Io 30mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
88▼	CE5-15S200	52	27		MP277	Vi 5.0V;Vo 15V;Io 200mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
89▼	CE5-15S60	52	27		MP278	Vi 50V;Vo 15V;Io 60mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
90▼	CE5-18D25	52	27		MP278	Vi 5.0V;Vo±18V;Io 25mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
91▼	CE5-18D85	52	27		MP277	Vi 5.0V;Vo±18V;Io 85mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
92▼	CE5-24D18	52	27		MP278	Vi 5.0V;Vo±24V;Io 18mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
93▼	CE5-24D20	52	27		MP278	Vi 5.0V†;Vo±24V;Io 20mA;Reg Load and Line .02%;Rpl 1.0mVrms.
94▼	CE5-24D62	52	27		MP277	Vi 5.0V;Vo±24V;Io 62mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
95▼	CE5-24D75	52	27		MP277	Vi 5.0V†;Vo±24V;Io 75mA;Reg Load and Line .02%;Rpl 1.0mVrms.
96▼	CE5-24S125	52	27		MP277	Vi 5.0V;Vo 24V;Io 125mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
97▼	CE5-24S36	52	27		MP278	Vi 5.0V;Vo 24V;Io 36mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
98▼	CE5-28S100	52	27		MP277	Vi 5.0V;Vo 28V;Io 100mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
99▼	CE5-28S32	52	27		MP278	Vi 5.0V;Vo 28V;Io 32mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
100▼	CE6-5S180	52	27		MP278	Vi 6.0V;Vo 5.0V;Io 180mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
101▼	CE6-5S600	52	27		MP277	Vi 6.0V;Vo 5.0V;Io 600mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
102▼	CE6-12D100	52	27		MP277	Vi 6.0V†;Vo±12V;Io 100mA;Reg Load and Line .02%;Rpl 1.0mVrms.
103▼	CE6-12D125	52	27		MP277	Vi 6.0V;Vo±12V;Io 125mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
104▼	CE6-12D25	52	27		MP278	Vi 6.0V†;Vo±12V;Io 25mA;Reg Load and Line .02%;Rpl 1.0mVrms.
105▼	CE6-12D35	52	27		MP278	Vi 6.0V;Vo±12V;Io 35mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
106▼	CE6-12S250	52	27		MP277	Vi 6.0V;Vo 12V;Io 250mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
107▼	CE6-12S75	52	27		MP278	Vi 6.0V;Vo 12V;Io 75mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
108▼	CE6-15D100	52	27		MP277	Vi 6.0V;Vo±15V;Io 100mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
109▼	CE6-15D30	52	27		MP278	Vi 6.0V;Vo±15V;Io 30mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
110▼	CE6-15S200	52	27		MP277	Vi 6.0V;Vo 15V;Io 200mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.

LINE No.	2 TYPE No.	1 USE	TC EO MD PE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1▼	CE6-15S60	52	27		MP278	Vi 6.0V;Vo 15V;Io 60mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
2▼	CE6-18D25	52	27		MP278	Vi 6.0V;Vo±18V;Io 25mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
3▼	CE6-18D85	52	27		MP277	Vi 6.0V;Vo±18V;Io 85mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
4▼	CE6-24D18	52	27		MP278	Vi 6.0V;Vo±24V;Io 18mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
5▼	CE6-24D20	52	27		MP278	Vi 6.0V†;Vo±24V;Io 20mA;Reg Load and Line .02%;Rpl 1.0mVrms.
6▼	CE6-24D62	52	27		MP277	Vi 6.0V;Vo±24V;Io 62mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
7▼	CE6-24D75	52	27		MP277	Vi 6.0V†;Vo±24V;Io 75mA;Reg Load and Line .02%;Rpl 1.0mVrms.
8▼	CE6-24S125	52	27		MP277	Vi 6.0V;Vo 24V;Io 125mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
9▼	CE6-24S36	52	27		MP278	Vi 6.0V;Vo 24V;Io 36mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
10▼	CE6-28S100	52	27		MP277	Vi 6.0V;Vo 28V;Io 100mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
11▼	CE6-28S32	52	27		MP278	Vi 6.0V;Vo 28V;Io 32mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
12▼	CE12-5S180	52	27		MP278	Vi 12V;Vo 5.0V;Io 180mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
13▼	CE12-5S600	52	27		MP277	Vi 12V;Vo 5.0V;Io 600mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
14▼	CE12-12D100	52	27		MP277	Vi 12V†;Vo±12V;Io 100mA;Reg Load and Line .02%;Rpl 1.0mVrms.
15▼	CE12-12D125	52	27		MP277	Vi 12V;Vo±12V;Io 125mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
16▼	CE12-12D25	52	27		MP278	Vi 12V†;Vo±12V;Io 25mA;Reg Load and Line .02%;Rpl 1.0mVrms.
17▼	CE12-12D35	52	27		MP278	Vi 12V;Vo±12V;Io 35mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
18▼	CE12-12S250	52	27		MP277	Vi 12V;Vo 12V;Io 250mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
19▼	CE12-12S75	52	27		MP278	Vi 12V;Vo 12V;Io 75mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
20▼	CE12-15D100	52	27		MP277	Vi 12V;Vo±15V;Io 100mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
21▼	CE12-15D30	52	27		MP278	Vi 12V;Vo±15V;Io 30mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
22▼	CE12-15S200	52	27		MP277	Vi 12V;Vo 15V;Io 200mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
23▼	CE12-15S60	52	27		MP278	Vi 12V;Vo 15V;Io 60mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
24▼	CE12-18D25	52	27		MP278	Vi 12V;Vo±18V;Io 25mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
25▼	CE12-18D85	52	27		MP277	Vi 12V;Vo±18V;Io 85mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
26▼	CE12-24D18	52	27		MP278	Vi 12V;Vo±24V;Io 18mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
27▼	CE12-24D20	52	27		MP278	Vi 12V†;Vo±24V;Io 20mA;Reg Load and Line .02%;Rpl 1.0mVrms.
28▼	CE12-24D62	52	27		MP277	Vi 12V;Vo±24V;Io 62mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
29▼	CE12-24D75	52	27		MP277	Vi 12V†;Vo±24V;Io 75mA;Reg Load and Line .02%;Rpl 1.0mVrms.
30▼	CE12-24S125	52	27		MP277	Vi 12V;Vo 24V;Io 125mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
31▼	CE12-24S36	52	27		MP278	Vi 12V;Vo 24V;Io 36mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
32▼	CE12-28S100	52	27		MP277	Vi 12V;Vo 28V;Io 100mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
33▼	CE12-28S32	52	27		MP278	Vi 12V;Vo 28V;Io 32mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
34▼	CE28-5S180	52	27		MP278	Vi 28V;Vo 5.0V;Io 180mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
35▼	CE28-5S600	52	27		MP277	Vi 28V;Vo 5.0V;Io 600mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
36▼	CE28-12D100	52	27		MP277	Vi 28V†;Vo±12V;Io 100mA;Reg Load and Line .02%;Rpl 1.0mVrms.
37▼	CE28-12D125	52	27		MP277	Vi 28V;Vo±12V;Io 125mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
38▼	CE28-12D25	52	27		MP278	Vi 28V†;Vo±12V;Io 25mA;Reg Load and Line .02%;Rpl 1.0mVrms.
39▼	CE28-12D35	52	27		MP278	Vi 28V;Vo±12V;Io 35mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
40▼	CE28-12S250	52	27		MP277	Vi 28V;Vo 12V;Io 250mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
41▼	CE28-12S75	52	27		MP278	Vi 28V;Vo 12V;Io 75mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
42▼	CE28-15D100	52	27		MP277	Vi 28V;Vo±15V;Io 100mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
43▼	CE28-15D30	52	27		MP278	Vi 28V;Vo±15V;Io 30mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
44▼	CE28-15S200	52	27		MP277	Vi 28V;Vo 15V;Io 200mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
45▼	CE28-15S60	52	27		MP278	Vi 28V;Vo 15V;Io 60mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
46▼	CE28-18D25	52	27		MP278	Vi 28V;Vo±18V;Io 25mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
47▼	CE28-18D85	52	27		MP277	Vi 28V;Vo±18V;Io 85mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
48▼	CE28-24D18	52	27		MP278	Vi 28V;Vo±24V;Io 18mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
49▼	CE28-24D20	52	27		MP278	Vi 28V†;Vo±24V;Io 20mA;Reg Load and Line .02%;Rpl 1.0mVrms.
50▼	CE28-24D62	52	27		MP277	Vi 28V;Vo±24V;Io 62mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
51▼	CE28-24D75	52	27		MP277	Vi 28V†;Vo±24V;Io 75mA;Reg Load and Line .02%;Rpl 1.0mVrms.
52▼	CE28-24S125	52	27		MP277	Vi 28V;Vo 24V;Io 125mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
53▼	CE28-24S36	52	27		MP278	Vi 28V;Vo 24V;Io 36mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
54▼	CE28-28S100	52	27		MP277	Vi 28V;Vo 28V;Io 100mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
55▼	CE28-28S32	52	27		MP278	Vi 28V;Vo 28V;Io 32mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
56	DD5-2.12.100	52	27		MP277	Vi 5.0VDC;Vo ±12V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 60%.
57	DD5-2.12.25	52	27		MP35c	Vi 5.0VDC;Vo ±12;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
58	DD5-2.15.100	52	27		MP277	Vi 5.0VDC;Vo ±15V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 60%.
59	DD5-2.15.25	52	27		MP35c	Vi 5.0VDC;Vo ±15V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
60	DD5-2.18.100	52	27		MP277	Vi 5.0Vdc;Vo ±18V;Io 100mA;Reg.Load .02% and Line.02%;TC .02%/°C;Rpl 1.0mVrms;Eff 60%.
61	DD5-2.18.25	52	27		MP35c	Vi 5.0VDC;Vo ±18V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
62	DD5-2.24.25	52	27		MP35c	Vi 5.0VDC;Vo ±24V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
63	DD5-2.24.75	52	27		MP277	Vi 5.0VDC;Vo ±24V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 60%.
64	DD6-2.12.100	52	27		MP277	Vi 6.0VDC;Vo ±12V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 60%.
65	DD6-2.12.25	52	27		MP35c	Vi 6.0VDC;Vo ±12V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
66	DD6-2.15.100	52	27		MP277	Vi 6.0VDC;Vo ±15V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 60%.
67	DD6-2.15.25	52	27		MP35c	Vi 6.0VDC;Vo ±15V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
68	DD6-2.18.100	52	27		MP277	Vi 6.0VDC;Vo ±18V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 60%.
69	DD6-2.18.25	52	27		MP35c	Vi 6.0VDC;Vo ±18V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
70	DD6-2.24.25	52	27		MP35c	Vi 6.0VDC;Vo ±24V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
71	DD6-2.24.75	52	27		MP277	Vi 6.0VDC;Vo ±24V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 60%.
72	DD12-2.12.100	52	27		MP277	Vi 12VDC;Vo ±12V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
73	DD12-2.12.25	52	27		MP35c	Vi 12VDC;Vo ±12V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
74	DD12-2.15.100	52	27		MP277	Vi 12VDC;Vo ±15V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
75	DD12-2.15.25	52	27		MP35c	Vi 12VDC;Vo ±15V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
76	DD12-2.18.100	52	27		MP277	Vi 12VDC;Vo ±18V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
77	DD12-2.18.25	52	27		MP35c	Vi 12VDC;Vo ±18V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
78	DD12-2.24.25	52	27		MP35c	Vi 12VDC;Vo ±24V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
79	DD12-2.24.75	52	27		MP277	Vi 12VDC;Vo ±24V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
80	DD28-2.12.100	52	27		MP277	Vi 28VDC;Vo ±12V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
81	DD28-2.12.25	52	27		MP35c	Vi 28VDC;Vo ±12V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
82	DD28-2.15.100	52	27		MP277	Vi 28VDC;Vo ±15V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
83	DD28-2.15.25	52	27		MP35c	Vi 28VDC;Vo ±15V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
84	DD28-2.18.100	52	27		MP277	Vi 28VDC;Vo ±18V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
85	DD28-2.18.25	52	27		MP35c	Vi 28VDC;Vo ±18V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
86	DD28-2.24.25	52	27		MP35c	Vi 28VDC;Vo ±24V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
87	DD28-2.24.75	52	27		MP277	Vi 28VDC;Vo ±24V;Io 75mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
88	HC1050	52	5C		MP184	Vi 40VΔ;Vo 5.0VDC;Io 600mA;Rpl .25Vp-p;Load Reg. .45V;Eff 83%.
89	HC1060	52	5C		MP184	Vi 40VΔ;Vo 6.0VDC;Io 500mA;Rpl .25Vp-p;Load Reg. .50V;Eff 83%.
90	HC1080	52	5C		MP184	Vi 40VΔ;Vo 8.0VDC;Io 375mA;Rpl .25Vp-p;Load Reg. .525V;Eff 83%.
91	HC1100	52	5C		MP184	Vi 40VΔ;Vo 10VDC;Io 300mA;Rpl .25Vp-p;Load Reg. .55V;Eff 83%.
92	HC1101	52	5C		MP184	Vi 40VΔ;Vo 100VDC;Io 30mA;Rpl .30%p-p;Load Reg. 3.0V;Eff 83%.
93	HC1120	52	5C		MP184	Vi 40VΔ;Vo 12VDC;Io 250mA;Rpl .25Vp-p;Load Reg. .60V;Eff 83%.
94	HC1150	52	5C		MP184	Vi 40VΔ;Vo 15VDC;Io 200mA;Rpl .25Vp-p;Load Reg. .70V;Eff 83%.
95	HC1151	52	5C		MP184	Vi 40VΔ;Vo 150VDC;Io 20mA;Rpl .30Vp-p;Load Reg. 4.5V;Eff 83%.
96	HC1200	52	5C		MP184	Vi 40VΔ;Vo 20VDC;Io 150mA;Rpl .20Vp-p;Load Reg. .80V;Eff 83%.
97	HC1201	52	5C		MP184	Vi 40VΔ;Vo 200VDC;Io 15mA;Rpl .30Vp-p;Load Reg. 6.0V;Eff 83%.
98	HC1240	52	5C		MP184	Vi 40VΔ;Vo 24VDC;Io 125mA;Rpl .20Vp-p;Load Reg. .85V;Eff 83%.
99	HC1280	52	5C		MP184	Vi 40VΔ;Vo 28VDC;Io 108mA;Rpl .20Vp-p;Load Reg. .90V;Eff 83%.
100	HC1300	52	5C		MP184	Vi 40VΔ;Vo 30VDC;Io 100mA;Rpl .20Vp-p;Load Reg. 1.0V;Eff 83%.
101	HC1301	52	5C		MP184	Vi 40VΔ;Vo 300VDC;Io 10mA;Rpl .30Vp-p;Load Reg. 9.0V;Eff 83%.
102	HC1500	52	5C		MP184	Vi 40VΔ;Vo 50VDC;Io 60mA;Rpl .30Vp-p;Load Reg. 1.5V;Eff 83%.
103	HC1750	52	5C		MP184	Vi 40VΔ;Vo 75VDC;Io 40mA;Rpl .30Vp-p;Load Reg. 2.25V;Eff 83%.
104	HC3120	52	5C		MP184	Vi 40VΔ;Vo ±125V;Io ±125mA;Rpl .200Vp-p;Load Reg. ±.36V;Eff 83%.
105	HC3150	52	5C		MP184	Vi 40VΔ;Vo ±15V;Io ±100mA;Rpl .200Vp-p;Load Reg. ±.46V;Eff 83%.
106	HC3180	52	5C		MP184	Vi 40VΔ;Vo ±18V;Io ±83mA;Rpl .200Vp-p;Load Reg. ±.60V;Eff 83%.
107	HC3250	52	5C		MP184	Vi 40VΔ;Vo ±25V;Io ±60mA;Rpl .200Vp-p;Load Reg. ±.75V;Eff 83%.
108	MC1466L§	52	07	F043	TO116	Wide Range Vandl Regulator Norm at 1.0Vand1.0mAout;Vinoff40mVΔ;Iin12uAΔ.
109	MC1566L§	52	5C	F043	TO116	Wide Range V and I Regulator;Norm at 1.0V and 1.0mA out;Vinoff 25mVΔ;Iin 6.0uAΔ.
110	MD25-2100	52	27		MP90b	Vi 12V;Vo☑±5.0 to ±100V;Voxlo 1.5W;Reg. ±1.0% line and load;Rpl 300m%Δ.

LINE No.	[2] TYPE No.	[1] USE	TC EO MD PE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	MD45-4100	52	27		MP90b	Vi 24V;Vo☑±5.0 to ±100V;Voxlo 1.5W;Reg. ±1.0% line and load;Rpl 300m%Δ.
2	MD85-8100	52	27		MP90b	Vi 28V;Vo☑±5.0 to ±100V;Voxlo 1.5W;Reg. ±1.0% line and load;Rpl 300m%Δ.
3	MPD5-150B	52	57		MP133	Vi 28Vt;Vo 5.0V at 600mAt or 150V at 5.0mAt;TC 50m%/°CΔ;Reg. line 5.0m%Δ, load 12.5mV.
4	MPD5-150C	52	57		MP133	Vi 5.0Vt;Vo 5.0V at 600mAt or 150V at 5.0mAt;TC 50m%/°CΔ;Reg. line 5.0m%Δ, load 12.5mV.
5	MPD5-750B	52	57		MP133	Vi 28Vt;Vo 5.0V at 750mAt;TC 50m%/°CΔ;Reg. line 5.0m%Δ, load 12.5mV.
6	MPD5-750C	52	57		MP133	Vi 5.0Vt;Vo 5.0V at 750mAt;TC 50m%/°CΔ;Reg. line 5.0m%Δ, load 12.5mV.
7	MPD15-100B	52	57		MP134	Vi 28Vt;Vo±15V at 100mAt;Tc 15m%/°CΔ;Reg. line 5.0m%Δ, load 20m%Δ.
8	MPD15-100C	52	57		MP134	Vi 5.0Vt;Vo±15V at 100mA;TC 15m%/°CΔ;Reg. line 5.0m%Δ, load 20m%Δ.
9	MPD15-300B	52	57		MP135	Vi 28Vt;Vo±15V at 300mAt;TC 15m%/°CΔ;Reg. line 5.0m%Δ, load 20m%Δ.
10	MPD15-300C	52	57		MP135	Vi 5.0Vt;Vo±15V at 300mAt;TC 15m%/°CΔ;Reg. line 5.0m%Δ, load 20m%Δ.
11	MS25-2250	52	27		MP90b	Vi 12V;Vo☑ 5.0 to 250V;Voxlo 3.0W;Reg. ± 1.0% line and load;Rpl 300m%Δ.
12	MS45-4250	52	27		MP90b	Vi 24V;Vo☑ 5.0 to 250V;Voxlo 3.0W;Reg. ± 1.0% line and load;Rpl 300m%Δ.
13	MS85-8250	52	27		MP90b	Vi 28V;Vo☑ 5.0 to 250V;Voxlo 3.0W;Reg. ± 1.0% line and load;Rpl 300m%Δ.
14	PD5	52	28		MP90	Vi 5.0V;Vo 15V;Po 1.0W;Tc .05%/°C;Reg. 1.0%;Rpl .10%.
15	PD13-20	52			MP90a	Vi☑ 5.0 to 28V;Vo 200V;IS 12mA.
16	PD15	52	27		MP90a	Vi-28V;Vo-±15V,Io-34mA each;Reg-less than 2.5%,line 1.0%;Rpl-less than .30%.
17	PD24-250	52	27		MP90a	Vi 12V;Vo☑ ±4.0 to ±50V;Vo x Io 1.0W;temp stab .05%/°C;Reg 2.5% load , 1.0% line Rpl .30%.
18	PD44-450	52	27		MP90a	Vi-24V;Vo☑±4.0 to ±50V;Vo x Io-1.0W;temp. stab.-.05%/°C;Reg-2.5% load,1.0% line;Rpl-.30%.
19	PD84-850	52	27		MP90a	Vi-28V;Vo☑±4.0 to ±50V;Vo x Io-1.0W;temp. stab.-.05%/°C;Reg-2.5% load,1.0% line;Rpl-.30%.
20	PS24-2100	52	27		MP90a	Vi-12V;Vo☑-4.0 to 100V;Vo x Io-1.0W;temp. stab.-.05%/°C;Reg-2.5% load,1.0% line;Rpl-.30%.
21	PS44-4100	52	27		MP90a	Vi-24V;Vo☑-4.0 to 100V;Vo x Io-1.0W;temp. stab.-.05%/°C;Reg-2.5% load,1.0% line;Rpl-.30%.
22	PS84-8100	52	27		MP90a	Vi-28V;Vo☑-4.0 to 100V;Vo x Io-1.0W;temp. stab.-.05%/°C;Reg-2.5% load,1.0% line;Rpl-.30%.
23	PSR1	52	27		MP142	Po 150mW;Efficiency 70%;Ro 100ΩΔ;Rpl 20mVppΔ.
24	R1862-3062	52	27		MP141	CRT P.S.;Vi☑ 18 to 30V;Vo ± 2000VDC, 6.3VAC;Io 2mADC;700mAAC.
25	SD25-2100	52	27		MP92	Vi 12V;Vo☑ ± 5.0 to ± 100V;Voxlo 1.5W;Load and Line Reg. ± 1.0%;Tc .05%/°CΔ.
26	SD45-4100	52	27		MP92	Vi 24V;Vo☑ ± 5.0 to ± 100V;Voxlo 1.5W;Load and Line Reg. ± 1.0%;Tc .05%/°CΔ.
27	SD85-8100	52	27		MP92	Vi 28V;Vo☑ ± 5.0 to ± 100V;Voxlo 1.5W;Load and Line Reg. ± 1.0%;Tc .05%/°CΔ.
28	SS25-2250	52	27		MP92	Vi 12V;Vo☑ 5.0 to 250V;Voxlo 3.0W;Load and Line Reg. ± 1.0%;Tc .05%/°CΔ.
29	SS45-4250	52	27		MP92	Vi 24V;Vo☑ 5.0 to 250V;Voxlo 3.0W;Load and Line Reg. ± 1.0%;Tc .05%/°CΔ.
30	SS85-8250	52	27		MP92	Vi 28V;Vo☑ 5.0 to 250V;Voxlo 3.0W;Load and Line Reg. ± 1.0%;Tc .05%/°CΔ.
31	SSP1500	52	27		MP202	Vi☑ 4.0 to 12V;Vo☑ 500V - 1.5kV;tr 1.0ms;tf 7.0ms;Rpl 1.0%ppΔ.
32	ST2	52	27		MP92	Vi-12V;Vo☑±1V;temp. stab.-.05%/°C;Reg-2.0% load, line 2.0%;Input to Output Isolation-100V.
33	ST4	52	27		MP92	Vi-24V;Vo☑±4V;temp. stab.-.05%/°C;Reg-2.0% load, line 2.0%;Input to Output Isolation-100V.
34	ST8	52	27		MP92	Vi-28V;Vo☑±4V;temp. stab.-.05%/°C;Reg-2.0% load, line 2.0%;Input to Output Isolation-100V.
35	TD10-15	52			MP203	Vi☑ 5.0 to 28V;Vo 200V;IS 3.0mA.
36	CA3018Δ	54	5C	Z007	CN18	1 Darl;2TR;Veb 5.5V;BVCBO 30V;BVCEO 24V;hFE 100*;ft 900Mt.
37	CA3018☑	54	5C	Z007	CN18	1 Darl;2TR;Veb 5.0VΔ;BVCBO 20VΔ;BVCEO 15VΔ;IC 50mAΔ;Pd 300mWΔ;hFE 30*;ft 300MHz*.
38	CA3018AΔ	54	5C	Z007	CN18	1 Darl;2TR;Veb 5.5V;BVCBO 30V;BVCEO 24V;hFE 100*;ft 900Mt.
39	CA3018A☑	54	5C	Z007	CN18	1 Darl;2TR;Veb 5.0VΔ;BVCBO 30VΔ;BVCEO 15VΔ;IC 50mAΔ;Pd 300mWΔ;hFE 60*;ft 300MHz*.
40▼	CA3018H	54	5C	Z007	FC16c	1 Darl;2TR;VEBO 5.0VΔ;BVCBO 2.0VΔ;BVCEO 15VΔ;Ic 50mAΔ;Pd 300mWΔ;hFE 30*.
41▼	CA3018L	54	5C	Z007	FC18	1 Darl;2TR;VEBO 5.0VΔ;BVCBO 2.0VΔ;BVCEO 15VΔ;Ic 50mAΔ;Pd 300mWΔ;hFE 30*.
42	CA3026Δ	54	5C	Z008b	Δ006AG	6TR;Veb 5.5V;BVCBO 30V;BVCEO 24V;hFE 100*;ft 900Mt.
43	CA3036	54	5C	Z009	CN10d	2 Darl prs;Veb 5.0VΔ;BVcbo 30VΔ;BVceo 15VΔ;Ic 50mAΔ;Pd 300mWΔ;hFE 82t;fT 150MHzt.
44	CA3045Δ	54	5C	Z010	MP3	5TR;Veb 5.5V;BVCBO 30V;BVCEO 24V;hFE 100*;ft 900Mt.
45	CA3045☑	54	5C	Z010	MP3	5TR;Veb 5.0VΔ;BVCBO 20VΔ;BVCEO 15VΔ;IC 50mAΔ;Pd 300mWΔ;hFE 110t;ft 300MHz*.
46▼	CA3045H	54	5C	Z010	FC16c	5TR;VEB 5.0VΔ;BVCBO 20VΔ;BVCEO 15VΔ;IC 50mAΔ;Pd 300mWΔ;hFE 110t.
47▼	CA3045L	54	5C	Z010	FC18	5TR;VEB 5.0VΔ;BVCBO 20VΔ;BVCEO 15VΔ;IC 50mAΔ;Pd 300mWΔ;hFE 110t.
48	CA3046Δ	54	5C	Z010	TO116	5TR;Veb 5.5V;BVCBO 30V;BVCEO 24V;hFE 100*;ft 900Mt.
49	CA3046☑	54	08	Z010	TO116	5TR;Veb 5.0VΔ;BVCBO 20VΔ;BVCEO 15VΔ;IC 50mAΔ;Pd 300mWΔ;hFE 110t;ft 300MHz*.
50	CA3049Δ	54	5C	Z008b	Δ006AG	6TR;Veb 5.5V;BVCBO 30V;BVCEO 24V;hFE 100*;ft 900Mt.
51	CA3049☑*	54	5C	Z008a	CN18	6NPN TR;BVCBO 20VΔ;BVCEO 15V;BVEBO 5.0V;IC 50mA;Pd 600mWΔ;ft 1.3GHz.
52▼	CA3049H*	54	5C	Z008a	FC16m	6NPN Trans;BVCBO 20VΔ;BVCEO 15V;BVEBO 5.0V;IC 50mA;Pd 600mWΔ;ft 1.3GHz.
53▼	CA3049L*	54	5C	Z008a	FC18	6NPN Trans;BVCBO 20VΔ;BVCEO 15V;BVEBO 5.0V;IC 50mA;Pd 600mWΔ;ft 1.3GHz.
54	CA3081	54	48	Z161	Δ001AC	7NPN Trans;Pd 750mW;BVCBO 20V;BVCEO 24V;BVEBO 6.9V;hFE 68;IC 30mA.
55▼	CA3081H	54	48	Z161	FC16u	7 NPN TRANS;Pd 750mW;BVCBO 20V;BVCEO 24V;BVEBO 6.9V;hFE 68;IC 30mA.
56	CA3082	54	48	Z162	Δ001AC	7NPN Trans;Pd 750mW;BVCBO 20V;BVCEO 24V;BVEBO 6.9V;hFE 68,IC 30mA.
57▼	CA3082H	54	48	Z162	FC16u	7 NPN TRANS;Pd 750mW;BVCBO 20V;BVCEO 24V;BVEBO 6.9V;hFE 68;IC 30mA.
58	CA3083	54	48	Z163	Δ001AC	5NPN Trans;Pd 750mW;BVCBO 60V;BVCEO 24V;BVEBO 6.9V;hFE 76,IC 10mA.
59▼	CA3083H	54	48	Z163	FC16u	5NPN Trans;Pd 750mW;BVCBO 60V;BVCEO 24V;BVEBO 6.9V;hFE 76;IC 10mA.
60▼	CA3084	54	48	Z261	Δ001AB	PNP Array;1 Darl;1 current mirror;2 PNP TR;VCBO 80Vt;VCEO 70Vt;VEBO 100Vt.
61▼	CA3084H	54	48	Z261	FC16v	PNP Array;1 Darl;1 current mirror;2 PNP TR;VCBO 80Vt;VCEO 70Vt;VEBO 100Vt.
62▼	CA3084L	54	48	Z261	FC17	PNP Array;1 Darl;1 current mirror;2 PNP TR;VCBO 80Vt;VCEO 70Vt;VEBO 100Vt.
63	CA3086Δ	54	48	Z010	TO116	5TR;Veb 5.5V;BVCBO 30V;BVCEO 24V;hFE 100*;ft 900Mt.
64	CA3086☑	54	48	Z164	Δ001AB	3NPN TR;Pd 750mW;BVCBO 60V;BVCEO 24V;BVEBO 7.0V;hFE 100;IC 1.0mA.
65	CA3093E	54	48	Z194	Δ001AC	Transistor-Zener Diode-Diode Array;Pd 750mW;BVCBO 20V;IC 100mA;Iz 35mA.
66▼	CA3093H	54	48	Z194	FC16u	Transistor-Zener Diode-Diode Array;Pd 750mW;BVCBO 20V;IC 100mA;Iz 35mA.
67▼	CA3095E	54	5C	Z262	Δ001AC	Super Beta Array;VCBO 6.0V;VEBO 8.0Vt;hFE 5000;VBE .68V;fT 320MHz.
68▼	CA3096AE	54	5C	Z263	Δ001AC	3NPN;2PNP;NPN VCEO 35V;PNP VCEO 40V;NPN VCBO 45V;PNP VCBO 40V;NPN VEBO 6.0V;PNP VEBO 40V.
69▼	CA3096E	54	5C	Z263	Δ001AC	3NPN;2PNP;NPN VCEO 35V;PNP VCEO 40V;NPN VCBO 45V;PNP VCBO 40V;NPN VEBO 6.0V;PNP VEBO 40V.
70	CA3118AT	54	5C	Z007	Δ006AG	4 tran;Pt 450mW;BVCBO 50V;BVCEO 40V;BVEBO 5.0V;Ic 50mA;hFE 100t.
71▼	CA3118H	54	5C	Z007	FC16c	4 TRAN;Pt 450mW;BVCBO 40V;BVCEO 30V;BVEBO 5.0V;IC 50mA;hFE 100t.
72	CA3118T	54	5C	Z007	Δ006AG	4 tran;Pt 450mW;BVCBO 40V;BVCEO 30V;BVEBO 5.0V;IC 50mA;hFE 100t.
73	CA3146AE	54	48	Z010	Δ001AB	5 tran;Pt 750mW;BVCBO 50V;BVCEO 40V;BVEBO 5.0V;IC 50mA;hFE 100t.
74	CA3146E	54	48	Z010	Δ001AB	5 tran;Pt 750mW;BVCBO 40V;BVCEO 30V;BVEBO 5.0V;IC 50mA;hFE 100t.
75▼	CA3146H	54	48	Z010	FC16c	5 TRAN;Pt 750mW;BVCBO 40V;BVCEO 30V;BVEBO 5.0V;IC 50mA;hFE 100t.
76	CA3183AE	54	48	Z163	Δ001AC	5 tran;Pt 750mW;BVCBO 50V;BVCEO 40V;BVEBO 5.0V;IC 75mA;hFE 40*.
77	CA3183E	54	48	Z163	Δ001AC	5 tran;Pt 750mW;BVCBO 40V;BVCEO 30V;BVEBO 5.0V;IC 75mA;hFE 40*.
78▼	CA3183H	54	48	Z163	FC16u	5 Trans;Pt 750mW;BVCBO 40V;BVCEO 30V;BVEBO 5.0V;IC 75mA;hFE 40*.
79	LA3018	54	5C	Z007	CN18	1 Darl. 2TR;VEB 5.5V;BVCBO 30V;BVCEO 24V;hFE 100*;ft 900Mt.
80	LA3018A	54	5C	Z007	CN18	1 Darl. 2TR;VEB 5.5V;BVCBO 30V;BVCEO 24V;hFE 100*;ft 900Mt.
81	LA3026	54	5C	Z008b	Δ006AG	6TR;VEB 5.5V;BVCBO 30V;BVCEO 24V;hFE 100*;ft 900Mt.
82	LA3045	54	5C	Z010	MP3	5TR;VEB 5.5V;BVCBO 30V;BVCEO 24V;hFE 100*;ft 900Mt.
83	LA3046	54	08	Z010	TO116	5TR;VEB 5.5V;BVCBO 30V;BVCEO 24V;hFE 100*;ft 900Mt.
84	LA3049	54	5C	Z008b	Δ006AG	6TR;VEB 5.5V;BVCBO 30V;BVCEO 24V;hFE 100*;ft 900Mt.
85	LA3086	54	48	Z010	TO116	5TR;VEB 5.5V;BVCBO 30V;BVCEO 24V;hFE 100*;ft 900Mt.
86▼	LM3018H	54	07	Z007	CN10e	1 Darl;2 Trans;BVEBO 5.0V;BVCBO 30V;BVCEO 24V;hFE 100;ft 900t.
87▼	LM3045D	54	5C	Z010	MP148	5 Trans;VEBO 5.0VΔ;BVCBO 20VΔ;BVCEO 15VΔ;hFE 100*;ft 300mt;Pd 750mW.
88▼	LM3046N	54	07	Z010	MP39	5 Trans;VEBO 5.0VΔ;BVCBO 20VΔ;BVCEO 15VΔ;hfe 100*;ft 300mt;Pd 750mW.
89▼	LM3086N	54	07	Z010	MP39	5 Trans;VEBO 5.0VΔ;BVCBO 60V;BVCEO 24VΔ;hFE 100*;ft 550Mt.
90#	M5106P§	54	27	C062	MP55	2Trn. and 1.0W Po Audio Power Amplifier.
91#	M5109P*	54	27	Z008	MP14j	Dual Differential Amp. and Diode;BVCBO 20VΔ;BVCEO 15VΔ;Ic 50mAΔ;Pd 300mWΔ.
92	MHQ2221	54	6M	Z188	MP139a	Quad;Pt 1.9W;VCB 60Vdc;ICBO 10nA;hFE 35* at IC 10mA,VCE 10V;ton 30ns;toff 225ns.
93	MHQ2222	54	6M	Z188	MP139a	Quad;Pt 1.9W;VCB 60Vdc;ICBO 10nA;hFE 75* at IC 10mA,VCE 10V;ton 25ns;toff 250ns.
94	MHQ2483	54	6M	Z188	MP139a	Quad;Pt 1.8W;VCB 60Vdc;ICBO 20nA;hFE 100* at IC 100uA,VCE 5.0V;NF 3.0dB.
95	MHQ2484	54	6M	Z188	MP139a	Quad;Pt 1.8W;VCB 60Vdc;ICBO 20nA;hFE 200* at IC 100uA,VCE 5.0V;NF 2.0dB.
96	MHQ2906	54	6M	Z188a	MP139a	Quad;Pt 2.1W;VCB 60Vdc;ICBO 10nA;hFE 35* at IC 10mA,VCE 10V;ton 30ns;toff 100ns.
97	MHQ2907A	54	6M	Z188a	MP139a	Quad;Pt 2.1W;VCB 60Vdc;ICBO 10nA;hFE 100* at IC 10mA,VCE 10V;ton 30ns;toff 100ns.
98	MHQ3250	54	6M	Z188a	MP139a	Quad;Pt 1.8W;VCB 60Vdc;ICBO 20nA;hFE 45* at IC 1.0mA,VCE 1.0V;ton 50ns;toff 225ns.
99	MHQ3251A	54	6M	Z188a	MP139a	Quad;Pt 1.8W;VCB 60Vdc;ICBO 20nA;hFE 90* at IC 1.0mA,VCE 1.0V;ton 50ns;toff 225ns.
100	MHQ3467	54	6M	Z188a	MP139a	Quad;Pt 2.7W;VCB 40Vdc;ICBO 200nA;hFE 20* at IC 500mA,VCE 1V;tr 30nsΔ;tf 30nsΔ.
101	MHQ3798	54	6M	Z188a	MP139a	Quad;Pt 1.5W;VCB 60Vdc;ICBO 10nA;hFE 100* at IC 10uA,VCE 5.0V;NF 2.5dB.
102	MHQ3799	54	6M	Z188a	MP139a	Quad;Pt 1.5W;VCB 60Vdc;ICBO 10nA;hFE 225* at IC 10uA,VCE 5.0V;NF 1.5dB.
103	MHQ6001	54	6M	Z189	MP139a	Quad Complementary Pair;Pt 1.9W;VCB 60Vdc;ICBO 20nA;hFE 25 min.at IC 1mA,VCE 10V.
104	MHQ6002	54	6M	Z189	MP139a	Quad Complementary Pair;Pt 1.9W;VCB 60Vdc;ICBO 20nA;hFE 50 min.at IC 1mA,VCE 10V.
105	MHQ6100	54	6M	Z189	MP139a	Quad Complementary Pair;Pt 1.5W;VCB 60Vdc;ICBO 10nA;hFE 50 min.at IC 100uA,VCE 5V.
106	MHQ6100A	54	6M	Z189	MP139a	Quad Complementary Pair;Pt 1.5W;VCB 60Vdc;ICBO 10nA;hFE 100 min.at IC 100uA,VCE 5V.
107	MN205	54	5C		FP6g	Quad NPN Transistors;Pt 500mW;BVCBO 60Vmin;tr 50 nsec max;tf 90 nsec max.
108	MN206	54	5C		FP6g	Quad NPN transistors;Pt 500mW;BVCBO 60Vmin; tr20nsec max;tf 90nsec max.
109	SG3821N	54	07	Z010	TO116	Matched;5 trn;BVcbo 40VΔ;BVceo 25VΔ, Ic 20mAΔ, Pd 300mW, hfe 100t;fT 950MHz.
110	SG3822N	54	07	Z008a	TO116	Dual Differential;6 NPN trn;BVcbo 40VΔ;BVceo 25VΔ;Ic 20mAΔ;Pd 300mWΔ;hFE 30;fT 950MHz.

IN ORDER OF (1) USE (2) TYPE No.

LINE No.	2 TYPE No.	1 USE	TC EO MD PE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	SG3823N	54	07	Z007	TO116	Dual Darlington;1 Darl.2 trn;BVcbo 40VΔ;BVceo 25VΔ;Ic 20mAΔ;Pd 300mWΔ;hFE 30*;fT 950MHz.
2▼	SI3045AK	54	5C	Z010	Δ001AD	5TR;BVEBO 5.0VΔ;BVCBO 20VΔ;BVCEO 15VΔ;Ic 50mAΔ;Pd 300mWΔ;hFE 110†;ft 300MHz*.
3▼	SI3046CJ	54	08	Z010	Δ001AD	5TR;BVEBO 5.5VΔ;BVCBO 20VΔ;BVCEO 15VΔ;Ic 50mAΔ;Pd 300mWΔ;hFE 110†;ft 300MHz*.
4#	SL3045	54	5H	Z010	MP14y	5 Trans;VBE 5.0mV;BVCBO 20V*;BVCEO 15V*;IC 50mA;hFE 40 at VCE 3.0V.
5#	TBA331	54	08	Z010	TO116	5trn;VEB 5.0VΔ;VCBO 20VΔ;VCEO 15VΔ;IC 50mAΔ;Pd 300mWΔ;hFE 100;FT 300MHz.
6#	TBA470A	54	16	Z150	TO116	Pt 250mW;VCE Sat 400mV max;IC 25mA;IB 25mA;VCEO 22V;TCEO 100nA max.
7#	TBA470B	54	16	Z150	MP50	Pt 250mW;VCE Sat 400mV max;IC 25mA;IB 25mA;VCEO 22V;ICEO 100nA max.
8#	TBA770	54	5C		TO100	3trn;VEB 5.0VΔ;VCBO 35VΔ;VCEO 16VΔ;IC 50mAΔ;Pd 300mWΔ;hFE 100;FT 300MHz.
9▼#	TCA671	54	4E		MP39	5 Trans NPN;VCBO 45V;VCEO 42V;VEBO 6.0V;Ic 200mA;fT 350MHz.
10▼	ULN2031A	54	08	Z241	MP104b	7NPN Darl;VCBO 40V;VEBO 5.0V;Ic 80mA;hFE 500 min;Po 750mW;IB 5.0mA.
11▼	ULN2032A	54	08	Z242	MP104b	7PNP Darl;VCBO 40V;VEBO 40V;Ic 80mA;hFE 500 min;Po 750mW;IB 5.0mA.
12▼	ULN2033A	54	08	Z242	MP104b	7PNP Darl;VCBO 40V;VEBO 40V;Ic 80mA;hFE 50 min;Po 750mW;IB 5.0mA.
13	ULN2046A	54	08	Z221	MP153a	3 Isol.TR and 1 Diff Amp;VCB 30VΔ;ICBO 40nAΔ;ft 550MHz†;NF 3.25dB†.
14	ULN2054A	54	08	Z222	MP153a	Dual Diff.Amp;VCB 20V*;ICBO 100nAΔ;ft 550MHz†;NF 3.25dB†.
15	ULN2081A	54	48	Z161	MP14w	7NPN Trans;Pd 750mW;BVCBO 20V;BVCEO 16V;BVEBO 5V;hFE 40*;Ic 200mA;ICBO 1.0uAΔ.
16	ULN2082A	54	48	Z162	MP14w	7NPN Trans;Pd 750mW;BVCBO 20V;BVCEO 16V;BVEBO 5V;hFE 40*;Ic 200mA;ICBO 1.0uAΔ.
17	ULS2045H	54	5C	Z221	MP152a	3 Isol.TR and 1 Diff Amp;VCB 30VΔ;ICBO 40nAΔ;ft 550MHz†;NF 3.25dB†.
18	LM103-1.8	55				Pd-250mW;Vret-1.8V;Zdyn-60Ω;TC-3.3mV/°C.
19	LM103-2.0	55				Pd-250mW;Vret-2.0V;Zdyn-60Ω;TC-3.3mV/°C.
20	LM103-2.2	55				Pd-250mW;Vret-2.2V;Zdyn-60Ω;TC-3.3mV/°C.
21	LM103-2.4	55	5C	Z005	CN25	Vref 2.4V†;Zdyn60ΩΔ;Pd.25WΔ;Tc3.3mV/°C†.
22	LM103-2.7	55	5C	Z005	CN25	Vref 2.7V†;Zdyn60ΩΔ;Pd.25WΔ;Tc3.3mV/°C†.
23	LM103-3.0	55	5C	Z005	CN25	Vref 3.0V†;Zdyn60ΩΔ;Pd.25WΔ;Tc3.3mV/°C†.
24	LM103-3.3	55	5C	Z005	CN25	Vref 3.3V†;Zdyn60ΩΔ;Pd.25WΔ;Tc3.3mV/°C†.
25	LM103-3.6	55	5C	Z005	CN25	Vref 3.6V†;Zdyn60ΩΔ;Pd.25WΔ;Tc3.3mV/°C†.
26	LM103-3.9	55	5C	Z005	CN25	Vref 3.9V†;Zdyn60ΩΔ;Pd.25WΔ;Tc3.3mV/°C†.
27	LM103-4.3	55	5C	Z005	CN25	Vref 4.3V†;Zdyn60ΩΔ;Pd.25WΔ;Tc3.3mV/°C†.
28	LM103-4.7	55	5C	Z005	CN25	Vref 4.7V†;Zdyn60ΩΔ;Pd.25WΔ;Tc3.3mV/°C†.
29	LM103-5.1	55	5C	Z005	CN25	Vref 5.1V†;Zdyn60ΩΔ;Pd.25WΔ;Tc3.3mV/°C†.
30	LM103-5.6	55	5C	Z005	CN25	Vref 5.6V†;Zdyn60ΩΔ;Pd.25WΔ;Tc3.3mV/°C†.
31	LM113	55	5C	Z176	CN25	Vref 1.22;Zdyn 1.0ΩΔ;Pd 100mWΔ; Tc .01%/°C
32	HEPC6050G-RT	56	5C	Z089	CN17b	Balanced Modulator-Demodulator;Pd 680mW;Gain 30dB typ;3dB BW 300MHz;ΔVs 20Vdc§.
33	TAB101	56	07	Z001	TO74	Ring 4 trans. modulator/demodutor circuit;Vobo-10V;Vcs-12;Ic-10mA;Pt-100mW.
34#	TBA673	56	2A	Z001	TO74	Ring 4-trans modulation/demodulation Bvebo 5.0V;Bvebo 30V,Vcs 40V;Ic 20mA;Pt 100mW.
35	751N	57	28	Z012	MP67	BVcbo 40VΔ;BVebo4VΔ;BVceo25VΔ;Ic.10AΔ;Pd.30WΔ;hFE100*at Ic10uA.
36	751P	57	28	Z012	MP67	BVcbo 40VΔ;BV3bo 5VΔ;BVceo 40VΔ;Ic 50mAΔ;Pd .50WΔ;hFE 100* at Ic 10uA.
37	2523	57	27		MP☑	14 Dio;Acc. 3%Δ;Dynamic Range 100dB;BW 100kHz.
38	CA3039	58	5C	Z013	CN18	6 Dio;PIV 5.0VΔ;IF 25mAΔ;VF .90VΔ;IR .10uAΔ;trr 1.0ns†;Cd .65pf†;Pd 100mWΔ.
39	MIC726-1	58	5C	Z011	TO96	BVebo5.0VΔ;BVcbo40VΔ;BVceo30VΔ;Ic5.0mAΔ;Pd180mWt;hFE1.5*atIc.10mA;Vce5.0V.
40	MIC726-5	58	08	Z011	TO96	BVebo5.0VΔ;BVcbo40VΔ;BVceo30VΔ;Ic5.0mAΔ;Pd180mWt;hFE1.5*atIc.10mA;Vce5.0V.
41	uA726-5U-312	58	5C	Z011	TO100	BVCBO 40V;BVCEO 30V;BVEBO 5.0V;Ic 5.0mA;Volt Drift 10uV/°CΔ;Input Offset Volt 2.5mVΔ.
42	uA726-5U-323	58	5C	Z011	TO100	BVCBO 40V;BVCEO 30V;BVEBO 5.0V;Ic 5.0mA;Volt Drift 2.0uV/°CΔ;Input Offset Volt 2.5mVΔ.
43	320	59	08		OCT	Magnetic Tape Record Amp; PD750mw;ΔVS48V;Ro10Ω,Vo1.0V.
44	320VF	59	05		MP132	Volt-Freq Conv;Acc 1.0%;Input 0 to 10V;Output 0 to 1.0kHz.
45	330VF	59	05		MP132	Volt-Freq Conv;Acc 1.0%;Input 0 to 10V;Output 0 to 10kHz.
46	340VF	59	05		MP132	Volt-Freq Conv;Acc 1.0%;Input 0 to 10V;Output 0 to 100kHz.
47	791	59	58		MP65a	Phase to Voltage Converter;Vi 0 to 10Vpp;Vo ± 10V;Acc. ± 3.0%;Rpl. 1.0%pp.
48	1391	59	05		MP193	Charge Preamplifier;Freq. 20kHzΔ;Acc. ±1.0%;No 25uV;Harm.Dist. .50%Δ.
49	1392	59	05		MP193a	Charge Preamplifier;Freq. 20kHzΔ;Acc. ±2.0%;No 200uV;Harm.Dist. .50%Δ.
50	1395	59	58		MP193b	Charge Preamplifier;Freq. 20kHzΔ;Acc. ±1.0%;No 25uV;Harm.Dist. .50%Δ.
51	1396	59	58		MP193c	Charge Preamplifier;Freq. 20kHzΔ;Acc. ±2.0%;No 200uV;Harm.Dist. .50%Δ.
52	1474	59	58		MP193d	Charge-Velocity Converters;Freq. 20kHzΔ;Acc. ±1.0%;No ±600uV;Dist. .50%Δ.
53	1475	59	58		MP193d	Charge-Velocity Converters;Freq. 20kHzΔ;Acc. ±1.0%;No ±10mV;Dist. .50%Δ.
54	1476	59	58		MP193d	Charge-Velocity Converters;Freq. 20kHzΔ;Acc. ±1.0%;No ± 3.0mV;Dist. .50%Δ.
55	4128	59	28		MP300	RMS-TO-DC Converter;Vs±15Vdc;Pd 90mt;Vo 20Vdc;Io 10mA;Vi 20Vdc.
56♦	4850	59	06		MP318	Gat Op.Amp.Module-3 modes of oper.;Reset/Integrate/Hold;Sample/Hold;SPDT Analog Switch.
57	9006	59	58			Dead-Band Function;ΔVS 15V;Cs 1.5mA;ΔVO 10V;Freq.Response DC to 100kHz.
58	9432A	59				Quintriple Op Amp Array;Power Supply 30mA max at 30V.
59▼	A600	59				Thermacouple Amp. w/Reference Compensation Unit.
60▼	A601	59			MP179b	Thermacouple Amp.w/Reference Compensation Unit.
61▼	A602	59			MP199a	Thermacouple Amp.w/Reference Compensation Unit.
62#	AN155	59		Z173	CN28	Voltage stabilizer for capacitance diodes in TV tuners;Vs 32V;Is 5.0mA
63#	AN208	59	27		TO116	Protect Circuit for Battery (Pt 300mW,Ioff 4mA max.)
64#	AN241	59	27	Z064	TO116	IF Amp-Limiter;FM detector,Electronic Attenuator,Audio Driver;Ro 270Ω;Ri 50kΩ;Pd 370mW†
65#	AN301	59	16		MP178	Control Signal Process Circuit for VTR (Pt 490mW)
66▼#	AN915	59	26	Z247	TO116	General purpose differential amplifier (Pt 445mW).
67	BHR0001	59	3A	Z130	MP73a	Thick Film Automotive Altenator Regulator.
68	BN4004§	59	3C	F057	CN32	DC Shunt Regulator Module;Nominal Vo 6.0V;Pd 25WΔ;Ro 250mΩΔ.
69	BN4005§	59	3C	F057	CN32	DC Shunt Regulator Module;Nominal Vo 9.0V;Pd 25WΔ;Ro 250mΩΔ.
70	BN4006§	59	3C	F057	CN32	DC Shunt Regulator Module;Nominal Vo 12V;Pd 25WΔ;Ro 250mΩΔ.
71	BN4009§	59	3C	F057	CN32	DC Shunt Regulator Module;Nominal Vo 5.0V;Pd 25WΔ;Ro 250mΩΔ.
72	CA3043§	59	5C	C026	CN18	High-Gain IF Amp/Limiter/FM Detector/AM Preamp/Driver for FM up to 20MHz.
73	CA3044§	59	5C	D017	CN10d	Wide-Band Amp/Phase Detector with Zener Diode Voltage Regulator/for AFC Systems.
74	CA3044V1§	59	5C	D017	CN19	Wide-Band Amp/Phase Detector with Zener Diode Voltage Regulator/for AFC Systems.
75	CA3050§	59	5C	B038	MP3	2 Darlington diff amp with diode bias string;Pd 900mW;VBE 800mV;Ic 50mA;ft 600MHz†
76	CA3051§	59	28	B038	TO116	2 Darlington diff amp with diode bias string;Pd 750mW;VBE 800mV;Ic 50mA;Ft 600MHz†.
77	CA3062	59	5C	Z063	CN18a	Photo Detector and Power Amp;Pd 700mW;Is 5.5mA;Idark 100nA.
78	CA3065	59	48	Z064	MP50	IF Amp-Limiter;FMdetector,Electronic Attenuator,Audio Driver;Ro 270Ω;Ri 70kΩ.
79▼	CA3075H	59	48	Z090	FC16q	FM IF Amplifier-Limiter,Detector,Audio Preamp;VS 12.5V;Pd 760mW;Gain 21db.
80▼	CA3076H§	59	5C	D031	FC16r	Wide-Band IF Amplifier-Limiter;Pd 500mW;Vs 15V;Vo 12mV;Noise Volt 1.0mV.
81	DCI177	59	58		MP132	DC TO DC Signal Isolator;Vi -10 to plus 10V;Linearity ± 1.0%;Rpl. less than 1.0%.
82	DCI178	59	58		MP132	DC TO DC Signal Isolator;Vi -50 to plus 50mV;Linearity ± .10%;Rpl. less than .50%.
83	ECA118	59	5A		MP145	Electronic Control Amp;Vi 11.8V line to line;Ri 100k;Acc. 3.0 arc min.
84	FS21§	59	07		MP2	Fast settling amplifier;Settling time to .5% 100ns max. to .05% 1.0us max;Po 20mA.
85#	FSS204§	59			MP82	Thermocouple/Chopper Amp;Vs 12VΔ;Io-1.0mA Closed loop Gain-14 to 80DB
86	HEPC6009-RT	59	07	C088	MP166	Electronic Attenuator;Pd 1.0W;Attenuation Range 70dB min;THD 1.0% max;AV 11dB min.
87	LA103H	59	5C	Z005	CN25	Regulator Diode;Pd 250mW;IR20uA;IF100mA;BV available 2.4V to 5.6V.
88▼	LM555CN	59	07		MP48	Monolithic Timing Ckt.Sink or Source 200mA;.005%/°C Stability;Adj.duty cycle.
89	LM566	59	5C			Voltage Controlled Oscillator;Freq 500kHz;ΔVs 24V
90	LM567	59	5C			Tone AM Frequency Decoder; Freq 500kHz;Quiescent Po 30mV;Ri 20kΩ
91▼	LM2111	59	07	Z017		FM Detector and Limiter;Pd 300mW;Vs 15V;Freq 5k-50MHz.
92▼	LM2113	59	07	Z153		FM Detector and Limiter;Pd 300mW;Vs 14V;Freq 50MHz;Is 22mAΔ.
93#	M5170T	59	26	Z184	TO100	Alarm Circuit;VS 50VΔ.
94	NE567T	59	07	Z172	CN1g	Tone and frequency decoder;Freq. 500kHz;Pd 300mW;Ri 20kΩ.
95	NE567V	59	07	Z172	MP216	Tone and frequency decoder;Freq. 500kHz;Pd 300mW;Ri 20kΩ.
96	RM4441D*§	59	5C	G014	MP40	LINE RECEIVER;SUPPLY VOLTAGE TWO Neg10V and One Pos20V;Toff80n†.
97#	SAS560	59	26		MP192	Switch amplifier for touch control with high sensitivity;VS 12/30V;Iout 35mA.
98#	SAS570	59	26		MP192	Switch amplifier for touch control with high sensitivity;VS 12/30V;Iout 35mA.
99	SE567T	59	5C	Z172	CN1g	Tone and frequency decoder;Freq. 500kHz;Pd 300mW;Ri 20kΩ.
100#	SL645C	59	27	Z232	CN11b	Two Quadrant Square Law Element;Frequency Doubler:Supplies ±5Volts at 5mA max.
101♦#	SL1020	59	2C			Channel Amp;Control Current Change 300uAΔ;Gain Range 7.4db;Linearity plus .30db.
102	TAA550	59	F		CN28	Voltage stabilizer for capacitance diodes in TV tuners;Vt-33ΔV;Pd-50mW.
103#	TAA560	59	06	Z178	TO72	Level Detector;Shutter Control Circuit;Vs 2.5V;Pd 120mWΔ;Vo 12.5VΔ
104#	TAA580	59	26	Z104	FP16	Level detector;VS 4.5VΔ;Vo 12VΔ;Io 70mAΔ;Pt 180mW.
105#	TAA780A	59	24	Z057	MP120	Stabilizing Circuit;stabilized volt. 1.1V†;stabilizing current 1.0mA;hfe 250.
106#	TAA780B	59	24	Z057	MP137	Stabilizing Circuit;stabilized volt. 1.1V†;stabilizing current 1.0mA;hfe 250.
107#	TAA790A	59	06		TO116	Controlled Pulse Generator for pulse separation and line synch;VO8.0V;Ro1.0k;f15.6kHZ.
108#	TAA790B	59	06		MP50	Controlled Pulse Generator for pulse separation and line synch;VO8.0V;Ro1.0k;f15.6kHZ.
109#	TAD110	59	37	Z051	TO116	A.m. and f.m. communication receivers;Vs 9.0V;Gv 14dbt;NF 12dbΔ;Sens. 20uVΔ.
110#	TBA271	59	07		TO18	Varicap Supply; Iz 5.0mA; Vz 30 to 36V; Diff. Resistance 10Ω.

11. MISCELLANEOUS

LINE No.	2 TYPE No.	1 USE	T C O M P - +	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1#	TBA840	59	15	Z208	MP137	1-Coil Driver Ckt for battery-powered wrist watches;Vs 1.5V.
2#	TBA940	59	05		TO116	Controlled Pulse Generator for pulse separ.and line sync.in TV Rec.w/SCR line Out stage.
3#	TBA950	59	05		TO116	Controlled Pulse Gen.for pulse separ.and line sync.in TV Rec.w/TR line Out stage.
4#	TBA950R	59	05		TO116	Controlled Pulse Gen. for pulse separ. and line sync.in TV rec.w/tube line out stage.
5#	TCA105	59	27			Threshold Detector
6#	TCA105W	59	27			Threshold Detector.
7#	TCA250	59	06		TO116	Double Filter Amp.for Act.Filters in the AF Range,e.g.for electronics organs.
8▼#	TCA350	59	26	Z255	TO73	Delay Line for analogue signals.
9#	TCA430	59	16		MP192a	4 RC Oscillators for Master Oscillators in electronic organs.
10#	TCA440	59	26		MP192a	Receiver circuit for AM;Vs 4.5 to 15V;Is 12mA;Input sens 7.0uV at S/N 26dB.
11▼#	TCA840	59	15	Z208	MP321	1-Coil Driver Ckt for battery-powered wrist watches;Vs 1.5V.
12	TIXL74	59	46	Z145	MP224	Silicon Avalanche Photodetector Module; VAA 9.5Vmax; VDD 200V.
13	TIXL75	59	46	Z146	MP224	Germanium Avalanche Photodetector Module; VAA 9.5Vmax; VDD 100V.
14	TIXL76	59	46	Z146	MP224	Germanium Avalanche Photodetector Module; VAA 9.5Vmax; VDD 160V.
15	uA767-9A-394	59	07	Z066	MP39d	FM Multiplex Stereo Demodulator;Vs 12V;Pd 140mW;RL 20kΩ;Distortion 500m%†.
16#	UAA110	59	15		TO116	Control Ckt for Electronic Controlled Camera w/shutter-time cont.,choice of aperture.
17	ULN2300M	59	47	Z044a	MP48	Amplifier SCR Firing Ckt;AV 30dB*;VT 12mVrms†;VF 1.5VΔ;Zin 60kΩ*.
18	ULN2301M	59	07	Z044	MP48	Amplifier detector;Gv 30db*;Is 10mA;freq 75k to 150kHz;CMRR 80db†.
19	ULN3000M	59	07	Z218	MP48	Hall Switch;VCC 5Vdc;Magnetic Flux Density Operate Point 750BΔ.
20	ULN3000R	59	07	Z218	MP283	Hall Switch;VCC 5VDC;Magnetic Flux Density Operate Point 750BΔ.
21	ULN3000S	59	07	Z218a	MP284	Hall Switch;VCC 5VDC;Magnetic Flux Density Operate Point 750BΔ.
22	ULN3004M	59	07	Z219	MP48	Hall Switch;Open Collector Output;VCC 5VDC;Operate 1000BΔ;Digital Output.
23	ULN3004R	59	07	Z219	MP283	Hall Switch;Open Collector Output;VCC 5VDC;Operate 1000BΔ;Digital Output.
24	ULN3004S	59	07	Z219a	MP284	Hall Switch;Open Collector Output;VCC 5VDC;Operate 1000BΔ;Digital Output.
25	ULN3100M	59	07	Z220	MP48	Hall Element,Calibrated;Vref 7VΔ.
26	ULN3100R	59	07	Z220	MP283	Hall Element,Calibrated;Vref 7VΔ.
27	ULN3100S	59	07	Z220	MP284	Hall Element,Calibrated;Vref 7VΔ.
28	CA3019	60	5C	Z041	CN10d	6 Dio;Pd 120mWΔ;Vs 12V;VF 7.3V;IR 10uA;Cd 1.8pf;V(BR)R 6.0V.
29▼	CA3019H	60	5C	Z041	FC16c	6 Dio;Pd 120mWΔ;VS 12V;VF 7.3V;IR 10uA;Cd 1.8pF;V(BR)R 6.0V.
30▼	CA3039H	60	5C	Z013	FC16c	6 Dio;PLV 5.0VΔ;IF 25mAΔ;VF .90VΔ;IR .10uAΔ;Pd 180mW†.
31▼	CA3039L	60	5C	Z013	FC18	6 Dio;PLV 5.0VΔ;IF 25mAΔ;VF .90VΔ;IR .10uAΔ;Pd 180mW†.
32▼	LM3019H	60	07	Z041	CN10e	6 Diodes;Pd 120mWΔ;Vs 12V;VF 7.3V;Ir 10uA;Cap. 1.8pf;V(BR)R 6.0V.
33▼	LM3039H	60	07	Z013	CN10e	6 Diodes;Pd 100mWΔ;PIV 5.0VΔ;IF 25mA;VF 900mVΔ;Ir 10uAΔ;trr 10ns†.
34	MS214	60	28	Z105	MP212	Matched Quad;BVR 60V* at 100uA;IR 25nAΔ at 50V at 25°C;IF 10mA* at 1.0V.
35	TAA320	61	C		TO18	Bi-Fet Audio Amp;Pt-200mW;Id-25mA;Vds-20V;VGSO-20V;yfs-40mmho;Cis-80pf.
36	CA3058	62	5C	Z054	Δ001AD	0 Volt Switch for 50 to 400Hz Thyristor Control;IGT 105mA;Io Leakage 20uA.
37	CA3059	62	48	Z054	Δ001AB	0 Volt. Switch for 50 to 400Hz Thyristor Control;IGT 105mA;Io Leakage 10uA max.
38▼	CA3059H	62	48	Z054	FC16n	0 Volt;Switch for 50 to 400Hz Thyristor Control;IGT 105mA;Io Leakage 10uA max.
39	CA3079	62	48	Z054a	Δ001AB	0 Volt Switch for 50 to 400Hz Thyristor Control;IGT 105mA;Io Leakage 10uA.
40	MFC8070	62	17	Z183	MP259	Zero Voltage Switch;Pd 1.0W;VSI 11Vdc max;IOL 100uAmax;Ic 15uAmax.
41▼#	SL440	62		Z253	MP319	Power Control Ckt;Firing Pulse Width 50us;Pulse I 60mA min;Static Gain of Servo Amp 75.
42	uA742-6A-393	62	07	Z061	MP14v	Zero Crossing AC Trigger TRAG AC;Vs 20V;Pk Trig Out 2.2A;Pd 440mWΔ.
43▼#	UAA145	62	27			Switch for Phase Control;Vs 18V;Pt 550mW;tr 500nsΔ;Outp Saturation Volt 1.0VΔ.
44▼	DRAM6.8A10	63	6H	Z025	TO12	Vref 6.8±10%;TC 1.0m%/°C;Iz 20mA max;Pd 300mW;hFE 150 min;VCE 50V.
45▼	DRAM6.8A100	63	6H	Z025	TO12	Vref 6.8±5%;TC 10m%/°C;Iz 20mA max;Pd 300mW;hFE 150 min;VCE 50V.
46▼	DRAM6.8A25	63	6H	Z025	TO12	Vref 6.8±10%;TC 2.5m%/°C;Iz 20mA max;Pd 300mW;hFE 150 min;VCE 50V.
47▼	DRAM6.8A50	63	6H	Z025	TO12	Vref 6.8±10%;TC 5.0m%/°C;Iz 20mA max;Pd 300mW;hFE 150 min;VCE 50V.
48▼	DRAM6.8B10	63	6H	Z025	TO12	Vref 6.8±5%;TC 1.0m%/°C;Iz 20mA max;Pd 300mW;hFE 150 min;VCE 50V.
49▼	DRAM6.8B100	63	6H	Z025	TO12	Vref 6.8±5%;TC 10m%/°C;Iz 20mA max;Pd 300mW;hFE 150 min;VCE 50V.
50▼	DRAM6.8B25	63	6H	Z025	TO12	Vref 6.8±5%;TC 2.5m%/°C;Iz 20mA max;Pd 300mW;hFE 150 min;VCE 50V.
51▼	DRAM6.8B50	63	6H	Z025	TO12	Vref 6.8±5%;TC 5.0m%/°C;Iz 20mA max;Pd 300mW;hFE 150 min;VCE 50V.
52	DRVL6.4B10P	63	5F	Z083	MP175	Vref 6.4V†;Vin 40VΔ;Zz 100Ω*;TC 1.0m%/°CΔ;Pd 48mWΔ.
53	DRVL6.4B100P	63	5F	Z083	MP175	Vref 6.4V†;Vin 40VΔ;Zz 100Ω*;Tc 10m%/°CΔ;Pd 48mWΔ.
54	DRVL6.4B25P	63	5F	Z083	MP175	Vref 6.4V†;Vin 40VΔ;Zz 100Ω*;Tc 2.5m%/°CΔ;Pd 48mWΔ.
55	DRVL6.4B50P	63	5F	Z083	MP175	Vref 6.4V†;Vin 40VΔ;Zz 100Ω*;Tc 5.0m%/°CΔ;Pd 48mWΔ.
56	DRVM6.4B10N	63	5F	Z084	CN38	Vref 6.4V†;Vin 40VΔ;Zz 100ΩΔ;Tc 1.0m%/°CΔ;Pd 48mWΔ.
57	DRVM6.4B10P	63	5F	Z083	CN38	Vref 6.4V†;Vin 40VΔ;Zz 100ΩΔ;Tc 1.0m%/°CΔ;Pd 48mWΔ.
58	DRVM6.4B100N	63	5F	Z084	CN38	Vref 6.4V†;Vin 40VΔ;Zz100ΩΔ;Tc 10m%/°CΔ;Pd 48mWΔ.
59	DRVM6.4B100P	63	5F	Z083	CN38	Vref 6.4V†;Vin 40VΔ; Zz 100Ω; Tc 10m%°CΔ; Pd 48mWΔ.
60	DRVM6.4B25N	63	5F	Z084	CN38	Vref 6.4V†; Vin 40VΔ;Zz100ΩΔ;Tc 2.5m%/°CΔ;Pd 48mWΔ.
61	DRVM6.4B25P	63	5F	Z083	CN38	Vref 6.4V†;Vin 40VΔ;Zz 100ΩΔ;Tc 2.5m%/°CΔ;Pd 48mWΔ.
62	DRVM6.4B50N	63	5F	Z084	CN38	Vref 6.4V†; Vin 40VΔ;Zz100ΩΔ;Tc 5.0m%/°CΔ;Pd 48mWΔ.
63	DRVM6.4B50P	63	5F	Z083	CN38	Vref 6.4V†;Vin 40VΔ;Zz 100ΩΔ;Tc 5.0m%/°CΔ;Pd 48mWΔ.
64	MCA1911-14N	63	6H	Z025	MP157	Vref 6.8±10%;Volt.change with temp. .051-.005V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
65	MCA1911-14P	63	6H	Z026	MP157	Vref 6.8±10%;Volt.change with temp. .051-.005V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
66	MCA1921-24N	63	6H	Z025	MP157	Vref 6.8±5.0%;Volt.change with temp. .105-.010V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
67	MCA1921-24P	63	6H	Z026	MP157	Vref 6.8±5.0%;Volt.change with temp. .105-.010V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
68	MCA1931-34N	63	6H	Z025	MP157	Vref 6.8±5.0%;Volt.Change with temp. .139-.013V;MaxIz 20mA;Zz at 5.0mAIz 40Ω.
69	MCA1931-34P	63	6H	Z026	MP157	Vref 6.8±5.0%;Volt.change with temp. .139-.013V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
70	MCA2011-14N	63	6H	Z025	MP157	Vref 8.6±10%;Volt.change with temp. .060-.006V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
71	MCA2011-14P	63	6H	Z026	MP157	Vref 8.6±10%;Volt.change with temp. .060-.006V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
72	MCA2021-24N	63	6H	Z025	MP157	Vref 8.6±5.0%;Volt.change with temp. .124-.012V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
73	MCA2021-24P	63	6H	Z026	MP157	Vref 8.6±5.0%;Volt.change with temp. .124-.012V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
74	MCA2031-34N	63	6H	Z025	MP157	Vref 8.6±5.0%;Volt.change with temp. .164-.016V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
75	MCA2031-34P	63	6H	Z026	MP157	Vref 8.6±5.0%;Volt.change with temp. .164-.016V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
76	MCA2111-14N	63	6H	Z025	MP157	Vref 9.5±10%;Volt.change with temp. .071-.007V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
77	MCA2111-14P	63	6H	Z026	MP157	Vref 9.5±10%;Volt.change with temp. .071-.007V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
78	MCA2121-24N	63	6H	Z025	MP157	Vref 9.5±5.0%;Volt.change with temp. .147-.014V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
79	MCA2121-24P	63	6H	Z026	MP157	Vref 9.5±10%;Volt.change with temp. .147-.014V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
80	MCA2131-34N	63	6H	Z025	MP157	Vref 9.5±5.0%;Volt.change with temp. .194-.019V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
81	MCA2131-34P	63	6H	Z026	MP157	Vref 9.5±10%;Volt.change with temp. .194-.019V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
82	MCA2211-14N	63	6H	Z025	MP157	Vref 11±10%;Volt.change with temp. .082-.008V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
83	MCA2211-14P	63	6H	Z026	MP157	Vref 11±10%;Volt.change with temp. .082-.008V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
84	MCA2221-24N	63	6H	Z025	MP157	Vref 11±5.0%;Volt.change with temp. .170-.017V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
85	MCA2221-24P	63	6H	Z026	MP157	Vref 11±5.0%;Volt.Change with temp .170-.017V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
86	MCA2231-34N	63	6H	Z025	MP157	Vref 11±5.0%;Volt.change with temp. .225-.022V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
87	MCA2231-34P	63	6H	Z026	MP157	Vref 11±5.0%;Volt.change with temp. .225-.022V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
88♦	PVS10B§	63	3C		MP239a	Voltage Reference Standard;Noise .0001% of output;Load Capability 0-10mA.
89♦	PVS10BA§	63	3C		MP239a	Voltage Reference Standard;Noise .0001% of output;Load Capability 0-10mA.
90♦	PVS10C§	63	3C		MP239a	Voltage Reference Standard;Noise .0001% of output;Load Capability 0-10mA.
91♦	PVS10CA§	63	58		MP239a	Voltage Reference Standard;Noise .0001% of output;Load Capability 0-10mA.
92♦	PVS10G§	63	3C		MP239	Voltage Reference Standard;Noise .0001% of output;Load Capability 0-10mA.
93♦	PVS10GA§	63	58		MP239a	Voltage Reference Standard;Noise .0001% of output;Load Capability 0-10mA.
94♦	PVSN10B§	63	3C		MP239a	Voltage Reference Standard;Noise .0001% of output;Load Capability 0-10mA.
95♦	PVSN10C§	63	3C		MP239a	Voltage Reference Standard;Noise .0001% of output;Load Capability 0-10mA.
96♦	PVSN10G§	63	3C		MP239	Voltage Reference Standard;Noise .0001% of output;Load Capability 0-10mA.
97#	TAA940A	63	2F		CN25a	Reference Diode; Stabilized Volt 31V; Tc 10u V/°C; Diff. Res 10Ω.
98#	TAA940B	63	2F		CN25a	Reference Diode; Stabilized Volt 33V; Tc 10 uV/°C ; Diff Res 10Ω.
99#	TAA940C	63	2F		CN25a	Reference Diode;Stabilized Volt 35V;TC 10u °C;Diff Res 10Ω
100#	ZTK6.8	64	F		TO18	Temp.compensated voltage stabilizer;Vz 6.5-7.2V;Iz 90mA at Tc 45°C;rz 10Ω at 5mA.
101#	ZTK9	64	OF			Temp.compensated voltage stabilizer;VZ 8-10VΔ;IZ 63mA at TC 45°C;rz 10Ω at 5.0mA.
102#	ZTK11	64	OF			Temp.compensated voltage stabilizer;VZ 10-12VΔ;IZ 53mA at TC 45°C;rz 10Ω at 5.0mA.
103#	ZTK18	64	OF			Temp.compensated voltage stabilizer;VZ 16-20VΔ;IZ 32mA at TC 45°C;rz 11Ω at 5.0mA.
104#	ZTK22	64	OF			Temp.compensated voltage stabilizer;VZ 20-24VΔ;IZ 27mA at TC 45°C;rz 11Ω at 5.0mA.
105#	ZTK27	64	OF			Temp.compensated voltage stabilizer;VZ 24-30VΔ;IZ 22mA at TC 45°C;rz 12Ω at 5.0mA.
106#	ZTK33	64	OF			Temp.compensated voltage stabilizer;VZ 30-36VΔ;IZ 19mA at TC 45°C;rz 12Ω at 5.0mA.
107#	ZTK33DPD	64	-F		DO35	Temp-compensated Volt.stabilizer;Vz 30 to 36V;Iz 10mA at TA 45°C;Rz 13Ω at 5mA.
108#	ZTW6.8	64	-F		TO18	Temp-compensated Volt.stabilizer;Vz 6.5 to 7.1V;Rz 500Ω at .1mA.
109	9000	65	57			ΔVS 15V;Cs 4.0mA;ΔVO 10V;SR 500mV/us.
110	9004	65	57			ΔVS 15V;Cs 7.0mA;ΔVO 10V;SR 100mV/us.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

LINE No.	2 TYPE No.	1 USE	TC OM PE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	AA1101	65	06		MP84	ΔVS 15V;Cs 5.0mA;BW dB 100kHz; ΔVO 10V;SR 3.0V/us.
2	AA1102	65	06		MP84	ΔVS 15V;Cs 5.0mA;BW dB 200kHz;ΔVO 10V;SR 6.0V/us.
3	AA1103	65	06		MP84	ΔVS 15V;Cs 5.0mA;BW dB 500kHz;ΔVO 10V;SR 15V/us.
4	AA1104	65	06		MP84	ΔVS 15V;Cs 6.0mA;BW dB 500kHz;ΔVO 10V;SR 30V/us.
5	AA1105	65	06		MP84	ΔVS 15V;Cs 6.0mA;BW dB 800kHz;ΔVO 10V;SR 40V/us.
6	AA1106	65	06		MP84	ΔVS 15V;Cs 6.0mA;BW dB 2.0MHz;ΔVO 10V;SR 50V/us.
7▼	A740	66	27	Z272	MP206b	Pin Cushion Correction Module;VS ±15V;3dB BW 10MHz min Horiz/Vert Correction.
8♦#	AN202	66	20		TO116	TV Deflection signal circuit;Pt 500mW.
9♦#	AN205	66	26		TO116	TV Video processing circuit;Vs 12V;Pt 550mW.
10♦#	AN209	66	28		TO116	TV tuning indicator on screen;Pt 250mW.
11▼#	AN221	66	26	Z248	TO116	Automatic fine tuning control circuit for TV(Pt 445mW).
12♦#	AN222	66	27	Z210	TO116	Automatic Fine Tuning Circuit for TV (Pt 700mW).
13♦#	AN228	66	27		MP104	TV Video Processing Circuit;Vs 12V;Is 22mA;BW 4.5MHz*;Vi 1.8Vpp.
14♦#	AN229	66	27		MP104	TV Video Processing Circuit;Vs 12V;Is 22mA;BW 4.5MHz*;Vi 1.0Vpp.
15♦#	AN230	66	27		MP104	TV Video Processing Circuit;Vs 12V;Is 22mA;BW 4.5MHz*;Vi 1.8Vpp.
16♦#	AN231	66	27		MP104	TV Video Processing Circuit;Vs 12V;Is 22mA;BW 4.5MHz*;Vi 1.8Vpp.
17♦#	AN232	66			MP104	TV Automatic Frequency Control,Horizontal Oscillator,Frequency Divider,Interlace Ckts.
18♦#	AN240	66	27	Z064	TO116	Sound Channel Circuit for TV (Pt 445mW).
19▼#	AN328	66	26		MP178	Video processing circuit for TV (Pt 490mW).
20♦#	AN332	66	27		MP178	Deflection Circuit for TV (Pt 490mW).
21♦#	AN333	66	27		MP178	Deflection Circuit for TV (Pt 490mW).
22♦	CA3041§	66	08	C024	MP50	Wide-band AMP/FM Detector/AF Preamp/Driver for TV audio system to 20MHz.
23♦	CA3042§	66	08	C025	MP50	Wide-band AMP/FM Detector/AF Preamp/Driver for TV audio system to 20MHz.
24♦	CA3064	66	48	Z055	CN19	TV Auto. Fine Tuning Ckt w/Wideband and DC Amps;Diff.Detector and Zener Diode Volt.Reg.
25♦	CA3068	66	48	Z120	MP215	TV Video IF System;ΔVs 20V;Pd 600mW.
26♦	HEPC6058P-RT	66	07	Z191	MP161	FM Radio or Color TV Tuning Indicator.
27♦	HEPC6060P-RT	66	07	Z192	TO116	TV Sound Ckt;VS 12Vdc;VL 160nVrmsΔ;THD 1.0%†;VOΔ 3.5Vrms†;Rin 9.0kΩ†;Cin 6pfF.
28♦	HEPC6062P-RT	66	07	Z080	TO116	TV Sound IF or FM IF Amp w/Quadrature Detector.
29♦	ITT3064	66	48	Z055	TO96	TV Auto.Fine tuning ckt w/Wideband and DC Amps;Diff.Detector and Zener Dis. V.Reg.
30▼	LM1351N	66	07	Z033a	MP39	TV Sound Ckt;FM DETECTOR,LIMITER and AUDIO AMP;Vs 16V;Pd 850mW;Gv Amp 65db.
31▼	LM1805	66	07			Complete 2 Watt,TV sound system;INC IF AMP and DETECTOR.
32▼	LM1845	66	07			TV Signal Processing System.
33♦	LM3064	66	07			TV Auto Fine Tuning Ckt w/Wideband DC Amp;Diff Det;Zener Diode Volt. Reg.
34♦#	M5134P§	66	28	E034	MP55	High Frequency Wide-Band Amp/Phase Detector/for TV AFC System.
35▼#	M5135P	66	27	Z055	MP14g	TV Auto.Fine tuning ckt w/Wideband and DC Amps;Diff.Detector and Zener Dio. V. Reg.
36♦#	M5143P	66	28	Z142	MP14g	IF Amp-Limiter/FM Detector/Attenuator/Audio Driver/for TV Sys.;Pd 370mW;Ri 70k;Ro 27Ω.
37♦#	M5183P	66	27	Z187	MP14j	TV Video IF Amp with AGC and Keyer Circuit;Vs 12V;Pd 325mW.
38▼#	M5188K	66	27	Z245	MP104	TV Horizontal AFC/Horizontal Osc./Vert. Syncro-Amplifier/Vert.Osc;Vs 12V;Is 45mA§.
39♦	MC1345P	66	07	Z180	TO116	TV Signal Processor;Pt 625mW;Vi 10Vdc;Is 26mAdc typ
40♦	MC1351P	66	07	Z033	MP25a	TV Sound Circuit;Pt 625mW;THD 1.0%;IF Gain 65db; Rin 9.0kΩ.
41♦	MC1351PQ	66	07	Z033	MP160	TV Sound Circuit;Pt 625mW;THD 1.0%;IF Gain 65db; Rin 9.0kΩ.
42▼#	SAA700C	66	2C		MP320	Ckt for signal processing in TV receivers;Vs 12V;Is 43mA max;Pd 400mW;BW 5.0MHz.
43♦#	SBA550B	66	07	Z230	MP217b	Ckt for signal processing in TV receivers;Vs 12V;Is 43mA max;Pd 400mW;BW 7.0MHz.
44▼#	SBA550C	66	2C		MP217b	Ckt for signal processing in TV receivers;Vs 12V;Is 43mA max;Pd 400mW;BW 5.0MHz.
45♦	SK3022-RT	66	5C	E021	Δ006AF	7.5V,Sound IF-Amplifier Stages for TV Receivers.
46♦	SK3023-RT	66	5C	E021	Δ006AF	7.5V,Sound IF-Amplifier Stages for TV Receivers.
47♦	SK3101-RT	66	48	C024	Δ001AB	140V,Sound IF Amp.Limiter,FM Detection,AF Preamp and AF Driver Stages for TV Receivers.
48♦	SK3102-RT	66	48	C025	Δ001AB	140V,Sound IF Amp.Limiter,FM Detection,AF Preamp and AF Driver Stages for TV Receivers.
49♦#	SL437	66				Complete TV Video/Sound I.F. System.
50♦#	TAA700	66	2C	Z126	MP330	TV Signal Processing Ckt;VS 12V;Is 43mAΔ;Pd 400mW;Freq 5.0MHz*;Ri 2.7kΩ.
51♦#	TAA700A	66	27	Z126	MP217	TV video processing circuit;Vs 16V;Pd 500mW;Ri 2.7kΩ.
52♦#	TBA240	66	06	Z076	MP154	Television Automatic Line Synchronisation Circuit;Vsuppl. 5.5/12V;Pt 100mW.
53♦#	TBA311A12	66	27	Z127	MP217	TV Video Processing Circuits;Vs 16V;Pd 500mW Ri Zi7kΩ.
54♦#	TBA311A17	66	27	Z127	MP192	TV Video Processing Circuits;Vs 16V;Pd 500mW Ri Zi7kΩ.
55♦#	TBA365	66	48	Z055	CN19	TV Suto-Fine tuning ckt w/Wide band and DC Amps;Diff.Detector and Zener Dio. V.Reg.
56♦	TBA550-6B	66	2C	Z148	MP178b	TV Signal Processing Circuit;Vs 12V;Is 25mAΔ;Pd 600mW;Gv 3.0V/V†;RI 2.7kΩ†.
57♦	TBA550-7H	66	2C	Z148	MP228	TV Signal Processing Circuit;Vs 12V;Is 25mAΔ;Pd 600mW;Gv 3.0V/V†;RI 2.7kΩ†.
58♦#	TBA631A51	66	17	Z159	MP247	TV Sound Section;Vs 18V;Pd 1.6W;Ro 100Ω;Total Harmonic Dist 1.8%.
59♦#	TBA890	66	28		MP252a	TV Signal Processing Circuit;Vs 12V;Gv 7.0dB;Pd 700mW;BW 5.0MHz*.
60♦#	TBA890Q	66	28		MP256	TV Signal Processing Circuit;Vs 12V;Gv 7.0dB;Pd 700mW;BW 5.0MHz*.
61♦#	TBA900	66	28		MP252a	TV Signal Processing Circuit;Vs 12V;Gv 7.0dB;Pd 700mW;BW 5.0MHz*.
62♦#	TBA900Q	66	28		MP256	TV Signal Processing Circuit;Vs 12V;Gv 7.0dB;Pd 700mW;BW 5.0MHz*.
63♦#	TBA920	66	26		MP192a	Line Oscillator Combination;Vs 12V;Is 36mA;Video Inp Sign 3.0V;Ri 400Ω.
64▼#	TBA920Q	66	26		MP256	Line Oscillator Combination;VS 12V;Is 36mA;Video Inp Sign 3.0V;Ri 400Ω.
65▼#	TCA270	66	25	Z269	MP192a	TV Signal Processing Ckt;VS 12V;Freq 39.5MHz;Sens 70mV;Video Outp. 3.0V.
66▼#	TCA270Q	66	25	Z269	MP256	TV Signal Processing Ckt;VS 12V;Freq 39.5MHz;Sens 70mV;Video Outp. 3.0V.
67▼#	TDA440	66	27	Z267	MP252	ZF Picture Amp.for Color and B/WTV;Pt 700mW;Vs 15V;Freq. 8.0-10MHz;Ri 1.4kΩ.
68♦	uA754-5E-394	66	07	Z085	TO100	TV/FM Sound System;Vs 40mA;Is 10VΔ;Pd 450mW;Ro 30Ω;Vo 3.0Vrms.
69♦	uA754-6A-394	66	07	Z085	MP14v	TV/FM Sound System;Vs 40mA;Is 09VΔ;Pd 450mW;Ro 30Ω;Vo 3.0Vrms.
70♦	ULN2165A	66	48	Z157	MP14w	Sound Channel for T.V.;Pd 850mW;Vi ±3.0V;Is 50mA;Vo 7.0Vpp.
71♦	ULN2165N	66	48	Z157	MP50b	Sound Channel for T.V.;Pd 850mW;Vi 3.0V;Is 50mA;Vo 7.0Vpp.
72♦#	AN225	67	27		TO116	Color TV Demodulator;Vs 24V;Is 18mA;Vo 14V;Ref.input res 2.0kΩ.
73♦#	AN227	67	27		TO116	Color TV Demodulator;Vs 24V;Is 18mA;Vo 14V;Ref.input res 2.0kΩ.
74♦#	AN234	67	27		MP104	Color TV Chroma IF Amp;Vs 12V;Is 27mA;Gv 40db;Input res 2.1kΩ.
75♦#	AN235	67	27		MP104	Color TV Chroma IF Amp;Vs 12V;Is 27mA;Gv 34db;Input Res 2.0kΩ.
76♦#	AN236	67	27		TO116	Color TV Subcarrier Regenerator;Vs 12V;Is 27mA;ACC Sensitivity 230mV.
77♦#	AN237	67	27		TO116	Color TV Subcarrier Regenerator;Vs 12V;Is 27mA;ACC Sensitivity minus 230mV.
78♦#	AN242	67	27		MP178	Color Demodulator Circuit for Color TV (Pt 490mW).
79♦#	AN342	67	27		MP178	Color Demodulator Circuit for Color TV (Pt 490mW).
80♦	CA3066	67	48	Z118	MP214	TV Chroma System,Chroma Signal Processor;ΔVs 11V;Pd 600mW;Vi 11V.
81♦	CA3067	67	48	Z119	MP214	TV Chroma System,Chroma Demodulator;ΔVs 11V;Pd 600mW;Vi 3.5V.
82♦	CA3070	67	48	Z121	Δ001AC	TV Chroma System;Chroma Signal Processor;ΔVs 24V;Pd 530mW.
83♦	CA3071	67	48	Z123	Δ001AB	TV Chroma System,Chroma Amp;ΔVs 24V;Pd 530mW.
84♦	CA3072	67	48	Z125	Δ001AB	TV Chroma System,Chroma Demodulator;ΔVs 24V;Pd 530mW;Vi 5.0V.
85♦	HEPC6057P-RT	67	07	Z190	TO116	Dual Doubly Balanced Chroma Demodulator;Pt 625mW;Vo 16VdcΔ;Iin 6.0mA†.
86♦	ITT3066	67	48	Z118	MP214	TV Chroma System,Chroma Signal Processor;ΔVs 11V;Pd 600mW;Vi 11V.
87♦	ITT3067	67	48	Z119	MP214	TV Chroma System;Chroma Demodulator;ΔVs 11V;Pd 600mW;Vi 3.5V.
88▼	LM746H	67	07	Z062	CN10e	TV Chroma Demodulator;Zin 1.7kΩ†;Vs 24V;Vo 14.5V†;Pd 340mW.
89▼	LM746N	67	07	Z062	MP39	TV Chroma Demodulator;Zin 1.7kΩ†;Vs 24V;Vo 14.5V†;Pd 340mW.
90▼	LM3066N01	67	48	Z118	MP214	TV Chroma System,Chroma Signal Processor;ΔVs 11V;Pd 600mW;Vi 11V.
91▼	LM3067N01	67	48	Z119	MP214	TV Chroma System,Chroma Demodulator;ΔVs 11V;Pd 600mW;Vi 3.5V.
92▼	LM3070N	67	48	Z121	MP337	TV Chroma System,Chroma Subcarrier Regenerator;ΔVs 24V;Pd 530mW;Is 25.5mA.
93▼	LM3071N	67	48	Z123	MP39	TV Chroma System;Chroma IF Amp;ΔVs 24V;Pd 530mW;Is 24mA.
94▼	LM3072N	67	48	Z125	MP39	TV Chroma System;Chroma Demodulator;ΔVs 24V;Pd 530mW;Vi 5.0V.
95♦#	M5108P	67	27	Z141	MP55	Chroma Demodulator for NTSC color TV;Vs 24V§.
96♦#	M5180P	67	27	Z185	MP266	Chroma Band-Pass Amp/Acc Amp;Vs 12V;Pd 380mW.
97♦#	M5182P	67	27	Z186	MP266	Chroma Detector/APC/Oscillator;Vs 12V;Pd 80mW.
98▼#	M5190P	67	27	Z182	MP14g	TV Color Processing Circuit;Pt 700mW;Vs 390Ω 20V;Is 27mA.
99▼#	M5191P	67	27	Z246	MP14g	Chroma Demodulator for NTSC Color TV;Vs 24V§;Is 22mA.
100♦	MC1326P	67	07	Z077b	MP25c	Dual Doubly Balanced Chroma Demodulator with RGB Output Matrix;300mVp-p input sen.
101♦	MC1326PQ	67	07	Z077b	MP160	Dual Doubly Balanced Chroma Demodulator with RGB Output Matrix;300mVp-p input sen.
102♦	MC1328G	67	07	Z077a	TO100	Dual Doubly Balanced Chroma Demod;5.0V p-p out for 300mVp-p in;Vos out 600mV max.
103♦	MC1328P	67	07	Z077a	MP25c	Dual Doubly Balanced Chroma Demod;5.0V p-p out for 300mV p-p in;Vos out 600mV max.
104♦	MC1328PQ	67	07	Z077a	MP160	Dual Doubly Balanced Chroma Demod;5.0V p-p out for 300mV p-p in;Vos out 600mV max.
105♦	MC1370P	67	07	Z237	MP308	T.V.Chroma Subcarrier Regenerator;Pt 625mW;Vs 24V;Zin 2.1kΩ†.
106♦	MC1371P	67	07	Z238	MP307	T.V. Chroma IF Amp;Pt 625mW;Vs 24V;Zin 2.0kΩ†.
107♦	MC1398P	67	27	Z182	TO116	TV Color Processing Circuit;Pt 625mW;VI 11.5V max-Power Supply I 35mA.
108♦	N5070B	67	07		MP192	Chroma Signal Processor.
109♦	N5071A	67	07		MP153	Chroma Amplifier.
110♦	N5072A	67	07		MP153	Chroma Demodulator.

11. MISCELLANEOUS

LINE No.	2 TYPE No.	1 USE	T C O M P - +	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1♦	SK3073-RT	67	48	Z118	Δ001AC	12V,Chroma Signal Processor Stages for Color TV Receivers.
2♦	SK3074-RT	67	48	Z119	Δ001AC	12V,Chroma Demodulator Stages for Color TV Receivers.
3♦	SK3075-RT	67	48	Z121	Δ001AC	24V,Chroma Signal Processor Stages for Color TV Receivers.
4♦	SK3076-RT	67	48	Z123	Δ001AB	24V,Chroma Amplifier Stages for Color TV Receivers.
5♦	SK3077-RT	67	48	Z125	Δ001AB	24V,Chroma Demodulator Stages for Color TV Receivers.
6▼#	SL901B	67		Z257	MP280	Color Processing Ckt;Vs 18V;Is 44mAΔ;Ro 50Ω;Shunt load cap. 30pf.
7▼#	SL917B	67		Z258	MP280	Color Processing Ckt;Vs 18V;Chroma Inp.Signal 600mVp/p;Chroma Inp.Impedence 9.0kΩ*.
8♦#	TAA630	67	26	Z179	MP252a	Dual Synchronous Color TV Demodulator;Vs 12V;Pd 550mWΔ;Input Imp 1.0kΩ.
9♦	TAA630-6B	67	48	Z149	MP178b	PAL Color TV Chroma Demodulator;Vs 12V;Is 40mAΔ;Pd 550mW;Ro 100ΩΔ;Color Diff.Gain 7.0V/VΔ.
10♦	TAA630-7H	67	48	Z149	MP228	PAL Color TV Chroma Demodulator;Vs 12V;Is 40mAΔ;Pd 550mW;Ro 100ΩΔ;Color Diff.Gain 7.0V/VΔ
11♦#	TAA630Q	67	26	Z179	MP256	Dual Synchronous Color TV Demodulator;Vs 12V;Pd 550mWΔ;Input Imp 1.0kΩ.
12♦#	TAA630S	67	2C	Z195	MP252a	Dual Synchronous Color TV Demodulator;Vs 12V;Pd 550mWΔ;Input Imp 1.0kΩ.
13♦#	TAA630T	67	2C	Z195	MP256	Dual Synchronous Color TV Demodulator;Vs 12V;Pd 550mWΔ;Input Imp 1.0kΩ.
14♦#	TBA500	67	26	Z116	MP192a	Colour TV luminance amp;Vs 12V;Pd 500mWΔ;Input res. 100kΩ.
15♦#	TBA500Q	67	26	Z116	MP256	Colour Television Processing Circuit (PAL)-Luminance Combination;ΔVs 12Vt.
16♦#	TBA510	67	26	Z106	MP192a	Colour TV Chrominance amplifier;VS 12V;Pd 500mWΔ;Input Res. 100kΩ.
17♦#	TBA510Q	67	26	Z106	MP256	Colour Television Processing Circuit-Chrominance Combination;ΔVs 12Vt.
18♦#	TBA520	67	26	Z107	MP192a	Colour TV Demodulator;VS 13.2V;Pd 550mWΔ;Input Res. 800Ω*.
19♦#	TBA520Q	67	26	Z107	MP256	Colour Television Processing Circuit-Colour Demodulator;ΔVs 12Vt.
20♦#	TBA530	67	26	Z108	MP192a	Colour TV R.G.B. matrix pre-amp;VS 12V;Pd 400mWΔ;IS 50mAΔ.
21♦#	TBA530Q	67	26	Z108	MP256	Colour Television Processing Circuit-RGB Matrise Preamplifier;ΔVs 12Vt.
22♦#	TBA540	67	26	Z109	MP192a	Reference Oscillator Ckt;VS 12V;Is 38mA;Pd 780mW;Ri 3.5kΩ;Gv 4.7.
23♦#	TBA540Q	67	26	Z109	MP256	Reference Oscillator Ckt;VS 12V;Is 38mA;Pd 780mW;Ri 3.5kΩ;Gv 4.7.
24♦#	TBA550Q	67	26	Z170	MP256	Colour Television Processing Circuit-Television Signal Processing Circuit;ΔVs 12Vt.
25♦#	TBA560	67	06	Z110	MP192a	Luminance and Chrominance Control Ckt;VS 12V;Is 24mA;Pd 330mW.
26♦#	TBA560Q	67	06	Z110	MP256	Luminance and Chrominance Control Ckt;VS 12V;Is 24mA;Pd 330mW.
27♦#	TBA651	67	28	Z160	MP217	RF Amplifier/Mixer/Oscillator/IF Amplifier/AGC Control for AM Radio;VCC 18V;Vo 500mV.
28♦#	TBA680	67	26		MP192a	Color TV RGB matrix and driver stage;VS 12V;Pd 600mW;Idrive 40mA max.
29▼#	TBA990	67	26	Z268	MP192a	R.G.B.Synchronous Demodulator for color TV;VS 12V;IS 17mA;Pd 200mW.
30▼#	TBA990Q	67	26	Z268	MP256	R.G.B.Synchronous Demodulator for color TV;VS 12V;IS 17mA;Pd 200mW.
31▼#	TCA360	67	96	Z256	TO77	Delay Line, Transfer Switch for French Secam TV System.
32♦	uA326-7K-393	67	07	Z240	MP309	Color Television Sync Generator.
33♦	uA746-5E-394	67	07	Z062	TO100	Chroma Demodulator;Zin 1.7kΩt;Vs 24V;Vo 14.5Vt;TC±5.0mV/°CΔ;Pd 340mWt.
34♦	uA746-6A-394	67	07	Z062	MP14v	Chroma Demodulator;Zin 1.7kΩt;Vs 24V;Vo 14.5Vt;TC ±5.0mV/°CΔ;Pd 340mWt.
35♦	uA780-6B-394	67	07	Z205	MP178a	Color TV regenerator;Pd 600mW;Is 40mA;Vpp 5.0V.
36♦	uA781-6A-394	67	07	Z206	MP14x	Color TV Chroma IF Amp;Pd 600mV;Vs 24V;Is 18mAΔ;Gain 17dB.
37♦	ULN2114A	67	48	Z018a	MP14w	Chroma Demodulator;Vcc 28VΔ;Is 8.0mA at RL 8.0Ω;TC -5mV/°C.
38♦	ULN2114K	67	48	Z018	TO100	Chroma Demodulator;Vcc 28VΔ;Is 8.0mA at RL 8.0Ω;TC -5mV/°C.
39♦	ULN2114N	67	48	Z018a	MP50b	Chroma Demodulator;Vcc 28VΔ;IS 8.0mA at RL 8.0Ω;TC -5mV/°C.
40♦	ULN2114W	67	48	Z018	CN41	Chroma Demodulatoo;Vcc 28VΔ;Is 8.0mA at RL 8.0Ω;TC -5mV/°C.
41♦	ULN2124A	67	49	Z154	MP104b	T.V.Chroma Subcarrier Regeneration System;Pd 530mW;Vs 24V;Vo 1.0Vpp.
42♦	ULN2127A	67	48	Z155	MP14w	Chroma Amplifier;Vs 24V;Pd 530mW;Current Drain 24mA;Vi 100mV.
43♦	ULN2127N	67	48	Z155	MP50b	Chroma Amplifier;Vs 24V;Pd 530mW;Current Drain 24mA;Vi 100mV.
44♦	365L	68	08		OCT	Magnetic Tap Playback Amp; PD250mw;ΔVS48V;Ro1.0k;Vo15V.
45♦	370	68	08		OCT	Disc Playback Amp-Equalizer;PD250m;ΔVS48V;Ro1.0k;Vo15V.
46♦	380	68	08		OCT	Magnetic Tape Playback Amp-Equalizer;PD250m;ΔVS48V;Ro1.0k;Vo15V.
47♦#	AN244	68	27		TO116	Dual Preamp. for Audio Amplifier (Pt 200mW).
48▼	MC1312P	68	07		TO116	Four Channel SQ Decoder.
49▼	MC1313P	68	48		TO116	Four Channel SQ Decoder.
50♦	MC1339P	68	48	Z236	TO116	Dual Low-Noise Stereo Preamplifier;Pt 625mW;Vs 12V;Zin 250kΩt.
51♦	MCH5890	68	0C		MP146	Microwave Solid-State Duplexer;Input Capability 40WΔ;Freq. 400MHz*;IF 100mA.
52♦	MFC8000P	68	17	Z053	MP131	Dual Differential(Stereo Input)Amplifier;Vs 40VΔ;Pd 1.0W.
53♦	MFC8001P	68	17	Z053	MP131	Dual Differential(Stereo Input)Amplifier;Vs 50VΔ;Pd 1.0W.
54♦	MFC8002P	68	17	Z053	MP131	Dual Differential(Stereo Input)Amplifier;Vs 60VΔ;Pd 1.0W.
55▼	R1AA	68		Z266	FC☑	Stereo Preamplifier;Unity Gain Bandwidth 2.5MHz;VCC ±15VDC;Quiescent Cur.Drain 3.5mA.
56♦	SK3071-RT	68	48	C047	Δ001AC	14V,Full Function Stereo Preamplifier Stages for Hi-Fi Equipment.
57♦	SK3072-RT	68	48	Z064	Δ001AB	140V,Sound IF Amplifier Stages for TV Receivers.
58♦#	SL622C	68	5C	Z254	CN27b	AF Amp,Vogad and Sidetone Amp;Vs 6.0V;Vogad Outp.Level 90mVrms;Sidetone Outp.level800mVpp.
59♦#	SL630C§	68	5A	C050	CN27b	Microphone/Headphone Amp;Io 110mA;Signal Freq 1.0kHz;Gain Control range 60-100db.
60♦	TAA640-6A	68	48	Z147	MP14v	TV/FM Sound System;Vs 32V;Pd 500mW;Is 40mA;IF Gv 70dB*;Dist 5.0%Δ.
61♦	TAA640-7F	68	48	Z147	MP226	TV/FM Sound System;Vs 32V;Pd 500mW;Is 40mA;IF Gv 70dB*;Dist 5.0%Δ.
62♦#	TAA970	68	37	Z196	TO74	Microphone Amp;Is 100mA max;Gv 150;Output imp 60Ω;Pd 700mW.
63♦#	TBA490	68	28	Z223	MP252b	Stereo-Decoder-Switch;Vs 16V;Input Res 22kΩ;Pd 360mWΔ.
64♦	ULN2129A	68	48	Z156	MP14w	Sound Channel for F-M Receiver;Pd 760mW;Vs 12.5V;Is 10mA;Gv 21dB.
65♦	ULN2129N	68	48	Z156	MP50b	Sound Channel for F-M Receiver;Pd 760mW;Vs 12.5V;Is 10mA;Gv 21dB.
66♦	9005	69	58			Precision Limiter;ΔVS 15V;Cs 8.0mA;ΔVO 10V;Freq.Response DC to 5kHz.
67♦#	AN206	69	26		TO116	IF Amp-Limiter,FM radio detector,Audio pre-amplifier transistor;Pt 375mW.
68▼	CA2111AE	69	5C	Z017	Δ001AB	FM IF Amp-Limiter,Quadrature Detector;Pd 600mW;DCVS 16VΔ;Amp Gv 60dB.
69▼	CA2111AQ	69	5C	Z017	MP50	FM IF Amp-Limiter,Quadrature Detector;Pd 600mW;DCVS 16VΔ;Amp Gv 60dB.
70▼	CA3043H§	69	5C	C026	FC16j	High Gain IF Amp/Limiter/FM Detector/AM Preamp/Driver for FM up to 20MHz.
71♦	CA3075	69	48	Z090	MP50	FM IF Amplifier-Limiter, Detector, Audio Preamp;Vs 12.5V;Pd 760mW;Gv 21db.
72♦	CA3076§	69	5C	D031	Δ002AL	Wide-Band IF Amplifier-Limiter;Pd 500mW;Vs 15V;Vo 12mV;Noise Volt. 1.0mV.
73♦	CA3088E	69	48	Z165	Δ001AC	AM Receiver Subsystem,Amplifier Array;Pd 760mW;Vs 16C;THD 1.0%;RI 3.5kΩ.
74♦	CA3089E	69	48	Z166	Δ001AC	FM IF System;Pd 600mW;VS 16V;AM Rejection 43dB;THD 500m%.
75♦	HEPC6063P-RT	69	27	Z157	TO116	IF AMP,LIMITER,FM,DET,AUDIO DRIVER;Pd 625mW;Vs 24;DC Sup Cur 24mA max.
76♦	ITT3065	69	48	Z064	MP50	IF Amp-Limiter;FM Detector,Electronic Attenuator,Audio Driver;Ro 270Ω;Ri 70kΩ.
77▼	LM173H	69	5C		CN10e	AM/FM/SSB IF AMP and DETECTOR;Sens 10uV at 455kHz;BW 30MHz.
78▼	LM173N	69	5C		MP39	AM/FM/SSB IF AMP and DETECTOR;Sens 10uV at 455kHz;BW 30MHz.
79▼	LM174H	69	5C		CN10e	AM/FM/SSB IF VIDEO AMP and DETECTOR;Ps 20mA;AGC Range 70db.
80▼	LM174N	69	5C		MP39	AM/FM/SSB IF VIDEO AMP and DETECTOR;Ps 20mA;AGC Rnage 70db.
81▼	LM273H	69	2A	Z275	CN10e	AM/FM/SSB IF AMP/DETECTOR;Vs 18V;Sens 30uVrms;AGC Thresh 300uVrms.
82▼	LM274H	69	2A	Z275	CN10e	AM/FM/SSB IF VIDEO AMP/DETECTOR;Vs 18V;Sens 30uVrms;AGC Thresh 300uVrms.
83▼	LM373H	69	07	Z275	CN10e	AM/FM/SSB IF AMP/DETECTOR;Vs 18V;Sens 30uVrms;AGC Thresh 300uVrms.
84▼	LM373N	69	07	Z275	MP39	AM/FM/SSB IF AMP/DETECTOR;Vs 18V;Sens 30uVrms;AGC Thresh 300uVrms.
85▼	LM374H	69	07	Z275	CN10e	AM/FM/SSB IF VIDEO AMP/DETECTOR;Vs 18V;Sens 30uVrms;AGC Thresh 300uVrms.
86▼	LM374N	69	07	Z275	MP39	AM/FM/SSB IF VIDEO AMP/DETECTOR;Vs 18V;Sens 30uVrms;AGC Thresh 300uVrms.
87♦	LM3065N	69	07		MP☑	If Amp Limiter;FM Detector;Electronic Attenuator;Audio Driver;Ro 270Ω; Ri 70kΩ.
88▼	LM3075N01	69	48	Z090	MP50	FM IF Amplifier-Limiter,Detector Audio Preamp;Vs 12.5V;Pd 760mW;Gv 21db.
89♦	MC1307P	69	07	Z066	TO116	FM Multiplex Stereo Demodulator;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
90♦	MC1310P	69	48	Z265	TO116	FM Stereo Demodulator;Vs 16V;Pd 625mW;Ri 50kΩ;THD 300m%;Aud.Vo 485mV(rms).
91♦	MC1355P	69	07	Z079	MP25c	Limiting FM/IF Amplifier;ΔVS 15V;Pt 625mW;IO 5.0mA.
92♦	MC1355PQ	69	07	Z079	MP160	Limiting FM/IF Amplifier; ΔVS 15V; Pt 625mW; IO 5.0mA.
93♦	MC1357P	69	07	Z080	MP25c	IF Amplifier and Quadrature detector; PD 625mW; SupVolt 16V.
94♦	MC1357PQ	69	07	Z080	MP160	IF Amplifier and Quadrature detector; PD 625mW; Sup Volt 16V.
95♦	MC1358P	69	07	Z064	MP25c	IF Amplifier, Limiter, FM Detector;Audio Driver, Electronic Attenautor.
96♦	MC1358PQ	69	07	Z064	MP160	IF Amplifier, Limiter, FM Detector;Audio Driver, Electronic Attenuator.
97♦#	MT372	69	07	C005	CN1c	AM IF strip;AGC Range 60dBt;AGC Threshold 50uVrms;Freq. 2.0MHzt.
98♦	N5111A	69	08	Z017	MP153	FM detector/Limiter/IF GV 60dB;Freq. 5kHz-50MHz;ΔVs 12V;Pd 264mW.
99▼#	SO41P	69	28	Z277	MP39m	FM-IF-Amp w/Demodulator;Vs 14V;Is 5.0mA;AFVo 200mV;V 40uV;Gv 63db.
100♦#	SAA570	69	17	Z229	CN27a	6 Stage Limiting I.F.Amp w/quadrature detector;Vs 20V max;Supply Cur. 19mA.
101▼#	SAA661BE	69	0A	Z250	MP319	Limiting IF Amp/FM Detector,Pd 600mW;Vs 12V;Is 20mA max;Dist.1%;Sens. 140uV.
102▼#	SAA661BQ	69	0A	Z250	MP226a	Limiting IF Amp/FM Detector;Pd 600mW;Vs 12V;Is 20mA max;Dist.1%;Sens. 140uV.
103♦#	SBA750AE	69	27	Z231	MP178c	5 Stage Limiting I.F.Amp/F.M.Detector;Vs 25V max;Supply Cur. 23mA.
104♦#	SBA750AQ	69	27	Z231	MP217b	5 Stage Limiting I.F.Amp/F.M.Detector;Vs 25V max;Supply Cur. 23mA.
105▼#	SBA750BE	69	27	Z231	MP178c	Limiting IF Amp/FM Detector;Vs 12V;Sens 100uA;Ri 60kΩ;BW 30MHz.
106▼#	SBA750BQ	69	27	Z231	MP217b	Limiting IF Amp/FM Detector;Vs 12V;Sens 100uA;Ri 60kΩ;BW 30MHz.
107▼#	SL437C	69		Z252	MP280	Limiting IF Amp/FM Detector for PNP;Vs 12V;Is 2.0mA;Sens 100uV;Ri 8.0kΩ;AMrej 55db.
108▼#	SL437D	69		Z252	MP280	Limiting IF Amp/FM Detector for NPN;Vs 12V;Is 10mA;Sens 100uV;Ri 8.0kΩ;AMrej 55db.
109♦#	SL623C	69	5C	Z260	CN27b	AM Detector,AGC Amp and SSB Demodulator;Vs 6.0V;SSB Audio Outp 30mVrms.
110♦	TAA350	69	20	Z024	CN27	IF/FM Detector Amp;It 20mA;VO 20mV;F 5.5MHz;Pt 400mW.

11. MISCELLANEOUS

LINE No.	[2] TYPE No.	[1] USE	TC EO MD PE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1♦	TAA450	69	26	Z020	CN27	IF Amp/Demodulator/AF Preamp and dc control of a-f gain for Fm receivers.
2♦	TAA570	69	2C	Z021	CN27	Four stage limiter-amp with FM detector;Vp 12V, fo-5.5MHz.
3♦#	TAA840	69	25	Z070	MP39b	A.M.Radio Ckt(R.F.Amp;Mixer-OSC;I.F.AMP;A.G.C.;Detector;Audio-Pre Amp;Driver) VS 6.0V.
4♦	TAD100	69	16	Z019	MP14j	Mixer/Oscillator/AGC/Detector/Audio preamp stages for AM receivers with 10.7MHz.
5♦#	TBA460§	69	07	Z276	MP337a	AM/FM-IF and AF Amp;Vs IF 12V;Vs AF 18V;Is 29mA;freq 30Hz-70kHz;Pd 10W.
6♦#	TBA460Q§	69	07	Z276	MP217a	AM/FM-IF and AF Amp;Vs IF 12V;Vs AF 18V;Is 29mA;freq 30Hz-70kHz;Pd 10W.
7♦#	TBA480	69	26	Z197	MP252a	FM Limiter amp. and quadrature detector;freq 5.5MHz;Vs 12V;Pd 500mW.
8♦#	TBA570	69	25	Z198	MP252a	Receiver Circuit/AM and FM reception/Mixer/Oscil/I.F.amp-detector-A.F.preamp;Vs 6.0V;Pd 1W
9♦#	TBA570Q	69	25	Z198	MP256	Receiver Circuit/AM and FM reception/Mixer/Oscil/I.F.amp-detector-A.F.preamp;Vs 6.0V;Pd 1W
10♦#	TBA581AX2	69	07			FM detector and limiter;Vs 15V;AM rejection 45dB;limiting voltage 100uV.
11♦#	TBA591AX2	69	07			FM detector and limiter;Vs 15V;AM rejection 45dB;output swing 3.8Vrms.
12♦#	TBA690	69	24	Z199	MP252a	Receiver Circuit/AM and FM reception/I.F.amp-A.F.preamp;A.F.Po 600mW;Vs 6.0V.
13♦#	TBA700	69	25		MP192a	Receiver Circuit/AM and FM reception/I.F.amp/A.F.output of 1.0W;VS 9.0V.
14♦#	TBA750	69	25		MP252a	FM Limiter amp/Quadrature Detector and AF amp;freq 4.5/5.5/10.7MHz;Vs 12V;Gv 7.0dB.
15♦#	TBA750Q	69	25		MP256	FM Limiter amp/Quadrature Detector and AF amp;freq 4.5/5.5/10.7MHz;Vs 12V;Gv 7.0dB.
16♦#	TBA780	69	48	Z064	MP50	IF Amp-Limiter;FM Detector, Electronic Alternator, Audio Driver;Ro 270Ω;Ri 70kΩ.
17▼#	TCA420	69	28		MP317	IF/FM Discriminator/Amplifier;Pt 720mW;Vs 18V max;Is 40mA;Gain 65db;NF 60db min.
18♦	ULN2111A	69	08	Z017	MP14w	FM Detector and Limiter;Pd 300mWΔ;Vs 15VΔ;freq. 5.0k - 50MHz.
19♦	ULN2111N	69	08	Z017	MP50b	FM Detector and Limiter;Pd 300mWΔ;Vs 15VΔ;freq. 5.0k - 50 MHz.
20♦	ULN2113A	69	08	Z153	MP14w	FM Detector and Limiter;Pd 300mWΔ;Vs 14VΔ;Is 22mAΔ;Freq 50MHzΔ.
21♦	ULN2113N	69	08	Z153	MP50b	FM Detector and Limiter;Pd 300mWΔ;Vs 14VΔ;Is 22mAΔ;Freq 50MHzΔ.
22▼	ULN2131M	69	38	Z243	MP48b	FM Limiter Amp;Pd 400mW;Vs 12V;Freq 10.7MHz;In/Out 330Ω/7.0pF.
23♦#	AN211	70	27		TO116	Stereo Demodulator;Pd 250mWt;Chan.Bal.2.0dB.
24♦	CA3090Q	70	48	Z167	MP214	Stereo Multiplex Decoder;VS 16V;RI 50kΩ;Volt Differential 100mVΔ;Dist 350m%.
25♦	HEP594-RT	70	07	Z202	TO116	Stereo Demodulator w/built in Stereo Channel Separation.
26♦	HEP595-RT	70	07	Z203	TO116	Stereo Demodulator;Permits use of external control for max. separation.
27♦	HEPC6056P-RT	70	07	Z066	TO116	Stereo Demodulator;Zin 20kΩt;THD 500m%t;Pt 625mW;VS 22Vdc.
28♦	HEPC6065P-RT	70			TO116	FM Multiplex Stereo Demodulator.
29♦	MC1304P	70	07	Z030	TO116	FM Multiplex Stereo Demodulators;Pd 150mWt;THD 1.0%Δ;Zin 12kΩ*;Chan.Bal. 500mdBt.
30♦	MC1305P	70	07	Z031	TO116	FM Multiplex Stereo Demodulators;Pd 150mWt;THD 1.0%Δ;Zin 12kΩ*;Chan.Bal. 500mdBt.
31♦	MC1307PQ	70	07	Z066	MP160	Stereo Demodulator;VS 22V;Pd 140mW;Ri 20kΩ;Distortion .5%.
32♦	SK3078-RT	70	48		Δ001AC	12V,Stereo Decoder System in FM-Multiplex Stages for Hi-Fi Equipment.
33♦	SN76110N	70	07	Z066a	MP39h	Stereo Demodulator;THD .3%t;Zin 20kΩt;VCC 14VΔ;Pd 625mWΔ.
34♦	uA729-6A-394	70	07	Z031	MP14v	Stereo Demodulator;Pd 150mWt;THD 1.0%Δ;Zin 12kΩ*;Chan Bal 200mdBt.
35♦	uA732-6A-394	70	07	Z095	MP14v	FM Stereo MultiplexDecoder;Vs 8.0 to 15V;Channel Sep 45dB;Pd 400mW.
36♦	uA767-6A-394	70	07	Z066	MP14v	FM Multiplex Stereo Demodulator;Vs 02V;Pd 140mW;RI 20kΩ;Distortion 500m%t.
37♦	ULN2120A	70	28	Z030	MP14w	Stereo Demodulator;Pd 180mWt;THD .5%t;Rin 15kΩ*;Separation 45dBt 1kHz.
38♦	ULN2121A	70	28	Z132	MP14w	Stereo Demodulator;Pd 180mWt;THD .5%t;Rin 20kΩt;Vs 12Vt.
39♦	ULN2122A	70	28	Z031	MP14w	Stereo Demodulator;Pd 180mWt;THD .5%t;Rin 15kΩ*;Separation 45dBt at 1kHz.
40♦	ULN2128A	70	28	Z066	MP14w	Stereo Demodulator;Pd 180mW;THD .5%;Rin 20kΩt;Vs 12Vt.
41♦#	L025T9	71	28	Z158	TO100	Balanced Modulator and Analogue AC Multiplier;Vs 30V;Pd 300mW;Ri 30kΩ;Vo 3.8V.
42▼	LM1304N01	71	07	Z030	MP336	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
43▼	LM1304N	71	07	Z030	MP39	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
44▼	LM1305N01	71	07	Z031	MP336	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
45▼	LM1305N	71	07	Z031	MP39	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
46▼	LM1307EN01	71	07	Z132	MP336	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
47▼	LM1307EN	71	07	Z132	MP39	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
48▼	LM1307N01	71	07	Z060	MP336	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
49▼	LM1307N	71	07	Z060	MP39	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
50▼	LM1310EN01	71	07		MP336	FM Stereo Demodulator;Emitter Follower Outputs.
51▼	LM1310EN	71	07		MP39	FM Stereo Demodulator;Emitter Follower Outputs.
52▼	LM1310N01	71	07		MP336	FM Stereo Demodulator;ΔVs 10V-24V;Separation 40db;Lamp Driver 100mA.
53▼	LM1310N	71	07		MP39	FM Stereo Demodulator;ΔVs 10V-24V;Separation 40db;Lamp Driver 100mA.
54♦	LM1496H	71	07	Z089	CN1d	Balanced modulator-demodulator; Pd 33mWt; Input Res 200kΩt, Suppression 10MHzΔ.
55♦	LM1496N	71	07	Z089	MP39g	Balanced modulator-demodulator; Pd 33mWt; Input Res 200kΩt; Suppression 10MHzΔ.
56♦	LM1596H	71	5C	Z089	CN1d	Balanced modulator-demodulator; Pd 33mWt; Input Res 200kΩt, Suppression 10MHzΔ.
57▼	LM1800	71	07			P.L.L. Fm Multiplex Demodulator.
58♦	LS1496#1	71	07	Z052a	CN17	Balanced Modulator/Demod;ΔVs 20;Pd 33mWt;VO 8.0Vt;Carr Supp 65dBt.
59♦	LS1496#2	71	07	Z052a	MP151b	Balanced Modulator/Demod;ΔVs 20;Pd 33mWt;VO 8.0Vt;Carr Supp 65dBt.
60♦	LS1596#1	71	5C	Z052a	CN17	Balanced Modulator/Demod;ΔVs 20;Pd 33mWt;VO 8.0Vt;Carr Supp 65dBt.
61♦	LS1596#2	71	5C	Z052a	MP151b	Balanced Modulator/Demod;ΔVs 20;Pd 33mWt;VO 8.0Vt;Carr Supp 65dBt.
62♦	MC1330P	71	07	Z078	MP161	Low-level Video det;Sup VoH 24V;Sup Cur 26mA;Pt 625mW;Ro 18Ω;BW3dB IF Car 80MHz.
63♦	MC1445F§	71	07	E036	TO86	Gate Controlled Two-Channel-Input;VGOL 200mVdc*;VGOH 3.0VdcΔ;Pd 500mW.
64♦	MC1445G§	71	07	E036	CN10m	Gate Controlled Two-Channel-Input;VGOL 200mVdc*;VGOH 3.0VdcΔ;Pd 680MW.
65♦	MC1445L§	71	07	E036	TO116	Gate Controlled Two-Channel-Input;VGOL 200mVdc*;VGOH 3.0VdcΔ;Pd 625mW.
66♦	MC1496#1	71	07	Z052a	CN17	Balanced Modulator/Demod;ΔVs 20;Pd 33mWt;Vo 8.0Vt;Carr.Supp 65dBt.
67♦	MC1496#2	71	07	Z052a	MP151b	Balanced Modulator/Demod;ΔVs 20;Pd 33mWt;Vo 8.0Vt;Carr.Supp 65dBt.
68♦	MC1496G	71	07	Z052	CN10b	Balanced Modulator-Demodulator;ΔVs 20§;Pd 33mWt;Vo 8.0t;Carr Suppr -65dBt at 500kHz.
69♦	MC1496L	71	07	Z052	MP139a	Balanced Modulator-Demodulator;ΔVs 20§;Pd 33mWt;Vo 8.0t;Carr Suppr -65dBt at 500kHz.
70♦	MC1545F§	71	5C	E036	TO86	Wideband Amp. Gate Controlled Two-Channel-Input;VGOL 450mVdc*;VGOH 2.2VdcΔ;Pd 500mW.
71♦	MC1545G§	71	5C	E036	CN10m	Wideband Amp. Gate Controlled Two-Channel-Input;VGOL 450mVdc*;VGOH 2.2VdcΔ;Pd 680mW.
72♦	MC1545L§	71	5C	E036	TO116	Wideband Amp.Gate Controlled Two-Channel-Input;VGOL 450mVdc*;VGOH 2.2VdcΔ;Pd 625mW.
73♦	MC1596#1	71	5C	Z052a	CN17	Balanced Modulator/Demod;ΔVs 20;Pd 33mWt;Vo 8.0Vt;Carr.Supp 65dBt.
74♦	MC1596#2	71	5C	Z052a	MP151b	Balanced Modulator/Demod;ΔVs 20;Pd 33mWt;Vo 8.0Vt;Carr.Supp 65dBt.
75♦	MC1596G	71	5C	Z052	CN10b	Balanced Modulator-Demodulator;ΔVs 20§;Pd 33mWt;Vo 8.0t;Carr suppr -65dBt at 500kHz.
76♦	MC1596L	71	5C	Z052	MP139a	Balanced Modulator-Demodulator;ΔVs 20§;Pd 33mWt;Vo 8.0t;Carr Suppr -65dBt at 500kHz.
77♦	S5596K	71	5C	Z089	CN10h	Modulator Demodulator;VS 30V;Vi 5.0V;Bias Current 10mAΔ;Pd 680mWΔ.
78♦	S5596T	71	07		TO99	Balanced Modulator-Demodulator;ΔVs 20 Pd .33mW;Vo 8.0V.
79♦	SG1496N	71	07	Z052	TO116	Balanced Modulator/Demodulator;ΔVs 20V§;Pd 33mWt;Vo 8.0Vt.
80♦	SG1496T	71	07	Z052	TO100	Balanced Modulator/Demodulator;ΔVs 20V§;Pd 33mWt;VO 8.0Vt.
81♦	SG1596T	71	5C	Z052	TO100	Balanced Modulator/Demodulator;ΔVs 20V§;Pd 33mWt;Vo 8.0Vt.
82♦#	SL640C	71	5C	Zo50	CN11e	Double balanced Modulator;Vs 6.0V;Conversion Gain 2.0dbΔ;NF 5.0db;Quiescent Cur 12mA.
83♦#	SL641C	71	5C	Z049	CN11e	Double balanced Modulator;Vs 6.0V;Conversion transcond. 2.5mmho;NF 12db;Quiescent Cur 10mA
84▼#	SL1001A	71	2C	Z259	TO100	Double balanced Modulator;Vs 15V;Is 6.0mA;Io 3.5mA peak;Ro 12Ω.
85▼#	SL1001B	71	2C	Z259	TO100	Double balanced Modulator;Vs 15V;Is 4.0mA;Io 2.0mA peak;Ro 25Ω.
86♦#	TCA240	71	37	Z234	MP252e	Double Balanced Modulator/Demodulator.
87♦	uA796-5E-312	71	5C	Z089	TO100	Double Balanced Modulator/Demodulator;Pd 500mW;Is 7.0mAΔ;TC 2.0nA/°C.
88♦	uA796-5E-393	71	07	Z089	TO100	Double Balanced Modulator/Demodulator;Pd 500mW;Is 7.0mAΔ;TC 2.0nA/°C.
89♦	uA796-6A-312	71	5C	Z089	MP14v	Double Balanced Modulator/Demodulator;Pd 500mW;Is 7.0mAΔ;TC 2.0nA/°C.
90♦	uA796-6A-393	71	07	Z089	MP14v	Double Balanced Modulator/Demodulator;Pd 500mW;Is 7.0mAΔ;TC 2.0nA/°C.
91♦#	ZQT20	71	7F	Z056	CN23	Dual transistor Demodulator consists of planar two-pole bidirectional switches;Pd 350mW.
92♦#	ZQT21	71	7F	Z056	CN23	Dual transistor Demodulator consists of planar two-pole bidirectional switches;Pd 350mW.
93♦	MC1364G	72	48	Z181	CN19	Automatic Frequency Control;Pt 680mW;ΔVi 12V§;Total Supply I 12mA
94♦	MC1364P	72	07	Z181	TO116	Automatic Frequency Control;Pt 625mW;ΔVi 12V§;Total Supply I 12mA
95♦	SK3070-RT	72	5C	D017	Δ006AF	30V,Automatic Frequency Control;AFC Stages for TV Receivers.
96♦	A205	73	28		CB☑	Wideband Automatic Gain Ranging Amp;70dB range;DC-15kHz;TC 20uV/°C.
97♦	A206	73	28		CB☑	Wideband Automatic Gain Ranging Amp;70dB range;DC-15kHz;TC 10uV/°C.
98♦	A207	73	28		CB☑	Wideband Automatic Gain Ranging Amp;70dB range;DC-15kHz;TC 5uV/°C.
99♦	LA170H	73	5C	C004	TO5	AGC/Squelch Amp; VS 24V; GV 37db*; Vi ± 19V; Bias Current 10uAΔ.
100♦	LA270H	73	27	C004	TO5	AGC/Squelch Amp; VS 24V; GV 37db*; Vi ± 19V; Bias Current 10uAΔ.
101♦	LA370H	73	07	C004	TO5	AGC/Squelch Amp. VS 24V;GV 37db*;Vi ± 19V;Bias current 12uAΔ.
102♦	LM170§	73	07	C004	CN17	AGC/Squelch Amp;Δ Vo Shift ±1V,Gv Vs Control V 30dB at 2.2V,-30dB at 2.5V.
103♦	LM270§	73	5C	C004	CN17	AGC/Squelch Amp;Δ Vo Shift ±500mV,Gv Vs Control V 30dB at 2.2V,-30dB at 2.5V.
104♦	LM370§	73	27	C004	CN17	AGC/Squelch Amp;Δ Vo Shift ±200mV;Gv Vs Control V 30dB at 2.2V,30dB at 2.5V.
105♦	LS170	73	5C	Z217	CN17	AGC/Squelch/VOX Amp;Vs 24Δ;IPS 13.5mAt;AV 37.5dB*.
106♦	LS270	73	27	Z217	CN17	AGC/Squelch/VOX Amp;Vs 24Δ;IPS 13.5mAt;AV 37.5dB*.
107♦	LS370	73	07	Z217	CN17	AGC/Squelch/VOX Amp;Vs 24Δ;IPS 13.5mAt;AV 35dB*.
108♦#	SL620C	73	6G	Z048a	CN11e	AGC Generator;Vs 6.0V;Vo 2.0V*;Quiescent Cur 4.1mAΔ;Ro 40Ω;Ri 1.4kΩ.
109♦#	SL621C	73	6G	Z048	CN11e	AGC Generator;Vs 6.0V;Vo 5.1V*;Quiescent Cur 4.1mAΔ;Ro 70Ω;Ri 500Ω.
110▼#	SO42P	74	17	Z278	MP39m	Freq up to 200MHz;Vs 14V;Is 900uA;Outp Cap 6.0pf;Mixing Gain 5.0mS;NF 7.0db.

LINE No.	2 TYPE No.	1 USE	TEMP -+	CODE	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1♦	SN56514J	74	5C	Z144		MP139	Balanced Mixers;VCC 12V Typ;RF-IF Isolation 30dB Typ;Conv.Gain 14dB Typ.
2♦	SN56514L	74	5C	Z144		TO100	Balanced Mixers;VCC 12V Typ;RF-IF Isolation 30dB Typ;Conv.Gain 14dB Typ.
3♦	SN56514N	74	5C	Z144		MP39h	Balanced Mixers;VCC 12V Typ;RF-IF Isolation 30dB Typ; Conv.Gain 14dB Typ.
4♦	SN76514J	74	07	Z144		MP139	Balanced Mixers;VCC 12V Typ;RF-IF Isolation 30dB Typ;Conv.Gain 14dB Typ.
5♦	SN76514L	74	07	Z144		TO100	Balanced Mixers;VCC 12V Typ;RF-IF Isolation 30dB Typ;Conv.Gain 14dB Typ.
6♦	SN76514N	74	07	Z144		MP39h	Balanced Mixers;VCC 12V Typ;RF-IF Isolation 30dB Typ; Conv.Gain 14dB Typ.
7▼	CD4046AD	75	5C	Z264		Δ001AD	COS/MOS Micropower Phase-Locked Loop;Pd 200mW;Freq 500kHz;Ri 1.0TΩ;Vo 10Vp-p.
8▼	CD4046AE	75	48	Z264		Δ001AB	COS/MOS Micropower Phase-Locked Loop;Pd 200mW;Freq 500kHz;Ri 1.0TΩ;Vo 10Vp-p.
9▼	CD4046AK	75	5C	Z264		Δ004AF	COS/MOS Micropower Phase-Locked Loop;Pd 200mW;Freq 500kHz;Ri 1.0TΩ;Vo 10Vp-p.
10▼	HA1-2800	75	5C			TO116	Freq.5.0MHz to 25MHz;ΔVs 30V;Pd 230mW;Zin 1.5kΩ;Zout 5.0MΩ;Ios 40uAΔ;Demod.out 250mV.
11▼	HA1-2805	75	07			TO116	Freq.5.0MHz to 20MHz;ΔVs 30V;Pd 230mW;Zin 1.5kΩ;Zout 5.0MHz;Ios 50uAΔ;Demod.out 250mV.
12▼	HA1-2820	75	5C			TO116	Freq .01Hz to 3.0MHz;ΔVs 24V;Pd 90mW;Zin 75kΩ;Zout 7.0MΩ;Vol.2V;Ios 20uAΔ.
13▼	HA1-2825	75	07			TO116	Freq .01Hz to 3.0MHz;ΔVs 24V;Pd 90mW;Zin 75kΩ;Zout 7.0MΩ;Vol.2V;Ios 20uAΔ.
14♦	LM565CH	75	07	Z177		CN1d	Phase locked loops;Pd 300mW;Vs 12V;Freq 500kHz;Output Imp. 5.0kΩ;THD 1.5%†.
15♦	LM565CN	75	07	Z177		MP39g	Phase Locked loops; Pd 300mW;Vs 12V; Freq 500kHz; Output Imp. 5.0kΩ; THD 1.5%†.
16♦	LM565H	75	5C	Z177		CN1d	Phase locked loops; P300mW;Vs 12V; Freq 500kHz;Output Imp. 5.0kΩ;THD .75%†.
17♦	NE560B	75	07	Z096		MP192	Phase Locked Loop;Freq. 30MHz;Vi 1.0Vrms;Pd 300mW;Ri 2.0kΩ.
18♦	NE561B	75	07	Z097		MP192	Phase Locked Loop;Freq. 30MHz;Vi 1.0Vrms;Pd 300mW;Ri 2.0kΩ.
19♦	NE562B	75	07	Z134		MP192b	Phase Locked Loop;Freq. 30MHz;Vi 3.0Vrms;Pd 300mW;Ri 2.0kΩ.
20♦	NE565A	75	07	Z135		MP153	Phase Locked Loop;Freq. 500kHz;ΔVs 24V;Pd 300mW;Ri 5.0kΩ;Vi 1.0Vpp.
21♦	NE565K	75	07	Z135		CN10h	Phase Locked Loop;Freq. 500kHz;ΔVS 24V;Pd 300mW;Ri 5.0kΩ;Vi 1.0Vpp.
22♦	SE565K	75	5C	Z135		CN10h	Phase Locked Loop;Freq. 500kHz;ΔVS 24V;Pd 300mW;Ri 5.0kΩ;Vi 1.0Vpp.

12. TYPES WITH U.S. MILITARY SPECIFICATIONS

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	MIL-M-38510/
M38510/10101AAA	none	101B
M38510/10101AAB	none	101B
M38510/10101AAC	none	101B
M38510/10101AAD	none	101B
M38510/10101ABA	none	101B
M38510/10101ABB	none	101B
M38510/10101ABC	none	101B
M38510/10101ABD	none	101B
M38510/10101ACA	none	101B
M38510/10101ACB	none	101B
M38510/10101ACC	none	101B
M38510/10101ACD	none	101B
M38510/10101ADA	none	101B
M38510/10101ADB	none	101B
M38510/10101ADC	none	101B
M38510/10101ADD	none	101B
M38510/10101AGA	none	101B
M38510/10101AGB	none	101B
M38510/10101AGC	none	101B
M38510/10101AGD	none	101B
M38510/10101AHA	none	101B
M38510/10101AHB	none	101B
M38510/10101AHC	none	101B
M38510/10101AHD	none	101B
M38510/10101BAA	none	101B
M38510/10101BAB	none	101B
M38510/10101BAC	none	101B
M38510/10101BAD	none	101B
M38510/10101BBA	none	101B
M38510/10101BBB	none	101B
M38510/10101BBC	none	101B
M38510/10101BBD	none	101B
M38510/10101BCA	none	101B
M38510/10101BCB	FSC	101B
M38510/10101BCC	none	101B
M38510/10101BCD	none	101B
M38510/10101BDA	none	101B
M38510/10101BDB	none	101B
M38510/10101BDC	none	101B
M38510/10101BDD	none	101B
M38510/10101BGA	NSC	101B
M38510/10101BGB	none	101B
M38510/10101BGC	FSC NSC	101B
M38510/10101BGD	none	101B
M38510/10101BHA	FSC NSC	101B
M38510/10101BHB	none	101B
M38510/10101BHC	FSC NSC	101B
M38510/10101BHD	none	101B
M38510/10101CAA	none	101B
M38510/10101CAB	none	101B
M38510/10101CAC	none	101B
M38510/10101CAD	none	101B
M38510/10101CBA	none	101B
M38510/10101CBB	none	101B
M38510/10101CBC	none	101B
M38510/10101CBD	none	101B
M38510/10101CCA	none	101B
M38510/10101CCB	FSC	101B
M38510/10101CCC	none	101B
M38510/10101CCD	none	101B
M38510/10101CDA	none	101B
M38510/10101CDB	none	101B
M38510/10101CDC	none	101B
M38510/10101CDD	none	101B
M38510/10101CGA	NSC	101B
M38510/10101CGB	none	101B
M38510/10101CGC	FSC NSC	101B
M38510/10101CGD	none	101B
M38510/10101CHA	FSC NSC	101B
M38510/10101CHB	none	101B
M38510/10101CHC	FSC NSC	101B
M38510/10101CHD	none	101B
M38510/10102AAA	none	101B
M38510/10102AAB	none	101B
M38510/10102AAC	none	101B
M38510/10102AAD	none	101B
M38510/10102ABA	none	101B
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M38510/10102ABC	none	101B
M38510/10102ABD	none	101B
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M38510/10102ACD	none	101B
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M38510/10102ADD	none	101B
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M38510/10102BBD	none	101B
M38510/10102BCA	none	101B
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M38510/10102BCD	none	101B
M38510/10102BDA	none	101B
M38510/10102BDB	none	101B
M38510/10102BDC	none	101B
M38510/10102BDD	none	101B
M38510/10102BIA	none	101B
M38510/10102BIB	none	101B
M38510/10102BIC	FSC	101B
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M38510/10102CCB	FSC	101B
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M38510/10102CDD	none	101B
M38510/10102CIA	none	101B
M38510/10102CIB	none	101B
M38510/10102CIC	FSC	101B
M38510/10102CID	none	101B
M38510/10103ACA	none	101B
M38510/10103ACB	none	101B
M38510/10103ACC	none	101B
M38510/10103ACD	none	101B
M38510/10103AGA	none	101B
M38510/10103AGB	none	101B
M38510/10103AGC	none	101B
M38510/10103AGD	none	101B
M38510/10103AHA	none	101B
M38510/10103AHB	none	101B
M38510/10103AHC	none	101B
M38510/10103AHD	none	101B
M38510/10103BCA	none	101B
M38510/10103BCB	none	101B
M38510/10103BCC	none	101B
M38510/10103BCD	none	101B
M38510/10103BGA	none	101B
M38510/10103BGB	none	101B
M38510/10103BGC	none	101B
M38510/10103BGD	none	101B
M38510/10103BHA	none	101B
M38510/10103BHB	none	101B
M38510/10103BHC	none	101B
M38510/10103BHD	none	101B
M38510/10103CCA	none	101B
M38510/10103CCB	none	101B
M38510/10103CCC	none	101B
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M38510/10104ACA	none	101B
M38510/10104ACB	none	101B
M38510/10104ACC	none	101B
M38510/10104ACD	none	101B
M38510/10104AGA	none	101B
M38510/10104AGB	none	101B
M38510/10104AGC	none	101B
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M38510/10104AHA	none	101B
M38510/10104AHB	none	101B
M38510/10104AHC	none	101B
M38510/10104AHD	none	101B
M38510/10104BCA	none	101B
M38510/10104BCB	none	101B
M38510/10104BCC	none	101B
M38510/10104BCD	none	101B
M38510/10104BGA	none	101B
M38510/10104BGB	none	101B
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M38510/10104BGD	none	101B
M38510/10104BHA	none	101B
M38510/10104BHB	none	101B
M38510/10104BHC	none	101B
M38510/10104BHD	none	101B
M38510/10104CCA	none	101B
M38510/10104CCB	none	101B
M38510/10104CCC	none	101B
M38510/10104CCD	none	101B
M38510/10104CGA	none	101B
M38510/10104CGB	none	101B
M38510/10104CGC	none	101B
M38510/10104CGD	none	101B
M38510/10104CHA	none	101B
M38510/10104CHB	none	101B
M38510/10104CHC	none	101B
M38510/10104CHD	none	101B
M38510/10201AAA	none	102 USAF
M38510/10201AAB	none	102 USAF
M38510/10201AAC	none	102 USAF
M38510/10201ABA	none	102 USAF
M38510/10201ABB	none	102 USAF
M38510/10201ABC	none	102 USAF
M38510/10201ACA	none	102 USAF
M38510/10201ACB	none	102 USAF
M38510/10201ACC	none	102 USAF
M38510/10201ADA	none	102 USAF
M38510/10201ADB	none	102 USAF
M38510/10201ADC	none	102 USAF
M38510/10201AHA	none	102 USAF
M38510/10201AHB	none	102 USAF
M38510/10201AHC	none	102 USAF
M38510/10201AIA	none	102 USAF
M38510/10201AIB	none	102 USAF
M38510/10201AIC	none	102 USAF
M38510/10201BAA	none	102 USAF
M38510/10201BAB	none	102 USAF
M38510/10201BAC	none	102 USAF
M38510/10201BBA	none	102 USAF
M38510/10201BBB	none	102 USAF
M38510/10201BBC	none	102 USAF
M38510/10201BCA	none	102 USAF
M38510/10201BCB	FSC	102 USAF
M38510/10201BCC	none	102 USAF
M38510/10201BDA	none	102 USAF
M38510/10201BDB	none	102 USAF
M38510/10201BDC	none	102 USAF
M38510/10201BHA	none	102 USAF
M38510/10201BHB	none	102 USAF
M38510/10201BHC	FSC	102 USAF
M38510/10201BIA	none	102 USAF
M38510/10201BIB	none	102 USAF
M38510/10201BIC	FSC	102 USAF
M38510/10201CAA	none	102 USAF
M38510/10201CAB	none	102 USAF
M38510/10201CAC	none	102 USAF
M38510/10201CBA	none	102 USAF
M38510/10201CBB	none	102 USAF
M38510/10201CBC	none	102 USAF
M38510/10201CCA	none	102 USAF
M38510/10201CCB	FSC	102 USAF
M38510/10201CCC	none	102 USAF
M38510/10201CDA	none	102 USAF
M38510/10201CDB	none	102 USAF
M38510/10201CDC	none	102 USAF
M38510/10201CHA	none	102 USAF
M38510/10201CHB	none	102 USAF
M38510/10201CHC	none	102 USAF
M38510/10201CIA	none	102 USAF
M38510/10201CIB	none	102 USAF
M38510/10201CIC	FSC	102 USAF
M38510/10301ACA	none	103 USAF
M38510/10301ACB	none	103 USAF
M38510/10301ACC	none	103 USAF
M38510/10301AGA	none	103 USAF
M38510/10301AGB	none	103 USAF
M38510/10301AGC	none	103 USAF
M38510/10301AHA	none	103 USAF
M38510/10301AHB	none	103 USAF
M38510/10301AHC	none	103 USAF
M38510/10301BCA	none	103 USAF
M38510/10301BCB	FSC	103 USAF
M38510/10301BCC	none	103 USAF
M38510/10301BGA	none	103 USAF
M38510/10301BGB	none	103 USAF
M38510/10301BGC	FSC	103 USAF
M38510/10301BHA	none	103 USAF
M38510/10301BHB	none	103 USAF
M38510/10301BHC	FSC	103 USAF
M38510/10301CCA	none	103 USAF
M38510/10301CCB	FSC	103 USAF
M38510/10301CCC	none	103 USAF

12. TYPES WITH U.S. MILITARY SPECIFICATIONS

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	MIL-M-38510/
M38510/10301CGA	none	103 USAF
M38510/10301CGB	none	103 USAF
M38510/10301CGC	FSC	103 USAF
M38510/10301CHA	none	103 USAF
M38510/10301CHB	none	103 USAF
M38510/10301CHC	FSC	103 USAF
M38510/10302AHA	none	103 USAF
M38510/10302AHB	none	103 USAF
M38510/10302AHC	none	103 USAF
M38510/10302AIA	none	103 USAF
M38510/10302AIB	none	103 USAF
M38510/10302AIC	none	103 USAF
M38510/10302BCA	none	103 USAF
M38510/10302BCB	none	103 USAF
M38510/10302BCC	none	103 USAF
M38510/10302BHA	none	103 USAF
M38510/10302BHB	none	103 USAF
M38510/10302BHC	none	103 USAF
M38510/10302BIA	none	103 USAF
M38510/10302BIB	none	103 USAF
M38510/10302BIC	none	103 USAF
M38510/10302CCA	none	103 USAF
M38510/10302CCB	none	103 USAF
M38510/10302CCC	none	103 USAF
M38510/10302CHA	none	103 USAF
M38510/10302CHB	none	103 USAF
M38510/10302CHC	none	103 USAF
M38510/10302CIA	none	103 USAF
M38510/10302CIB	none	103 USAF
M38510/10302CIC	none	103 USAF
M38510/10303AAA	none	103 USAF
M38510/10303AAB	none	103 USAF
M38510/10303AAC	none	103 USAF
M38510/10303AGA	none	103 USAF
M38510/10303AGB	none	103 USAF
M38510/10303AGC	none	103 USAF
M38510/10303BAA	none	103 USAF
M38510/10303BAB	none	103 USAF
M38510/10303BAC	none	103 USAF
M38510/10303BGA	none	103 USAF
M38510/10303BGB	none	103 USAF
M38510/10303BGC	none	103 USAF
M38510/10303CAA	none	103 USAF
M38510/10303CAB	none	103 USAF
M38510/10303CAC	none	103 USAF
M38510/10303CGA	none	103 USAF
M38510/10303CGB	none	103 USAF
M38510/10303CGC	none	103 USAF

TYPE No.	MFRS	MIL-M-38510/

TYPE No.	MFRS	MIL-M-38510/

TYPE No.	MFRS	MIL-M-38510/

TYPE No.	MFRS	MIL-M-38510/

MILITARY DOCUMENTS

Department of Defense Index of Specifications and Standards dated 1 July 1972, Supplement dated 1 September 1972.

Device Manufacturers Qualifications on Test Reference Letter.

MIL–M–38510A Military Specification, General Specification for Microcircuits, dated 3 July 1972.

QPL–38510–9 Qualified Products List of Products Qualified Under Military Specification MIL–M–38510, dated 16 March 1973.

MIL–STD–883 Military Standard; Test Methods and Procedures for Microelectronics, dated 1 May 1968, Notice 4, dated 31 August 1972.

CIRCUIT DRAWING NUMBERING SIGNIFICANCE

Example: A 001 a

- A — Prefix shows section in which technical data appears.
- 001 — Serial assignment within section.
- a — Tabulated drawing — see suffix "a" on chart with drawing.

LETTER PREFIX	APPLIES TO TECHNICAL SECTION No.
A — OPERATIONAL AMPLIFIERS	3
B — DIFFERENTIAL AMPLIFIERS	4
C — AUDIO AMPLIFIERS	5
D — RF/IF AMPLIFIERS	6
E — WIDEBAND AMPLIFIERS	7
F — VOLTAGE REGULATORS	8
G — VOLTAGE COMPARATORS	9
Z — MISCELLANEOUS	10 & 11

NOTES

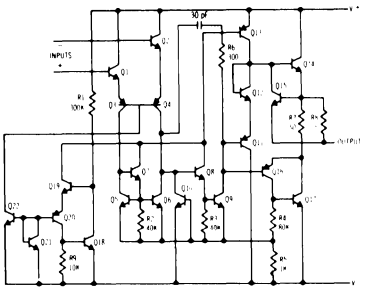
These outline drawings are intended as a guide for the user. They should not be used for construction purposes without first checking with the appropriate manufacturer.

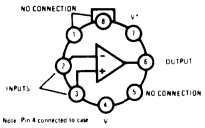
These drawings are referenced in the Technical Sections of this D.A.T.A.BOOK in accordance with information supplied by the manufacturers.

The DO and TO drawings have been reproduced from JEDEC Registration Data Files with the permission of the National Electrical Manufacturer's Association — Electronic Industries Association. JEDEC designations are assigned only to outlines submitted by the JC-11 Committee on Mechanical Standardization. The procedure of assigning and announcing the JEDEC designation constitutes registration.

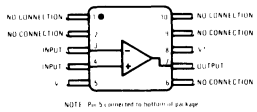
All drawings have circular symmetry unless otherwise indicated.

A001

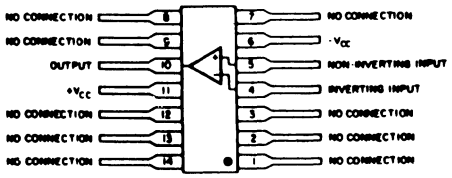




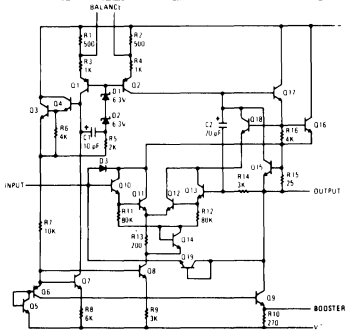
Flat Pack

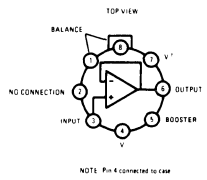


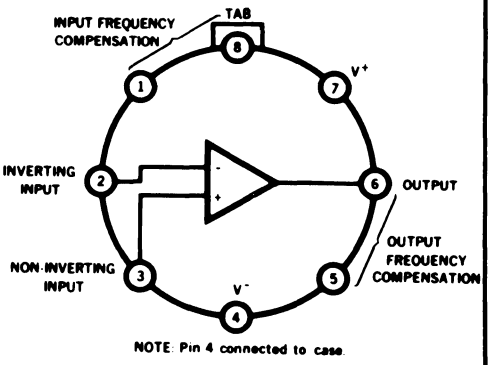
	I_{N-}	I_N	V	OUT	V-
TO91 & CN	2	3	7	6	4
TO99 & FP	3	4	8	7	5
MP	CONSULT MFR-NO INFO				



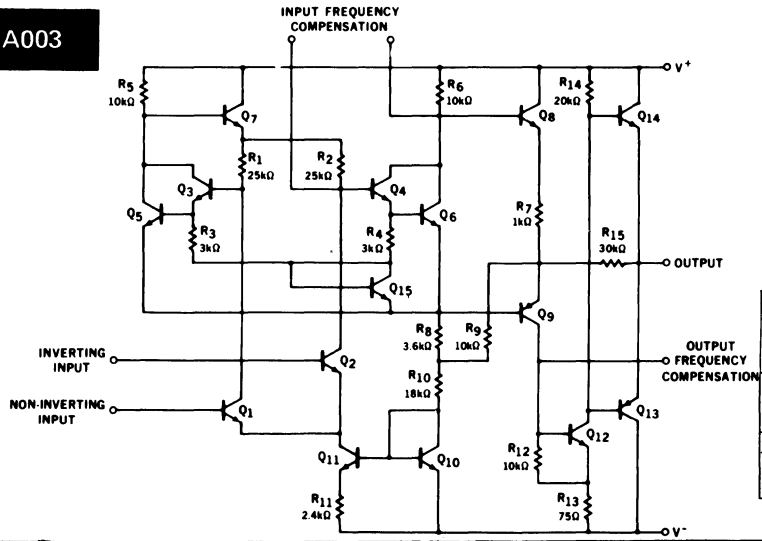
A002





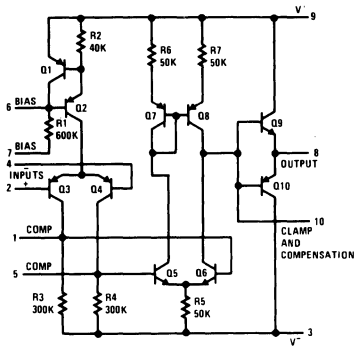


A003

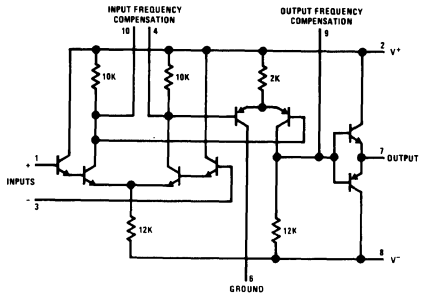


	CKT NO.	IN FREQ COMP 1	IN FREQ COMP 2	IN-	IN+	V+	OUT	OUT FREQ COMP	V-
TO99 CN and TO76	1	1	8	2	3	7	6	5	4
TO91 and FP	1	2	9	3	4	8	7	6	5
MP	1	3	12	4	5	11	10	9	6
CN	1	4	3	5	6	14	2	1	7
	2	10	11	8	9	14	12	13	7

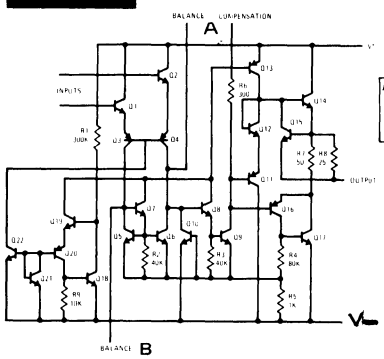
A004



A005



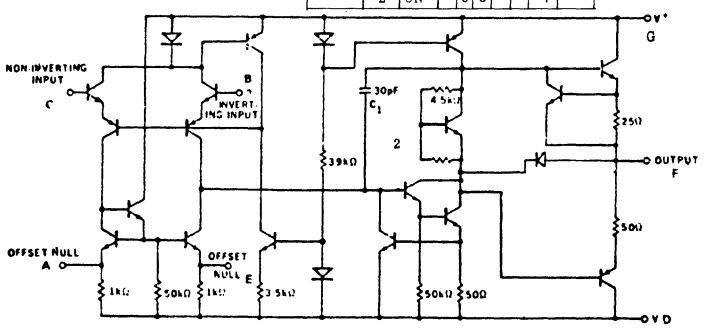
A012



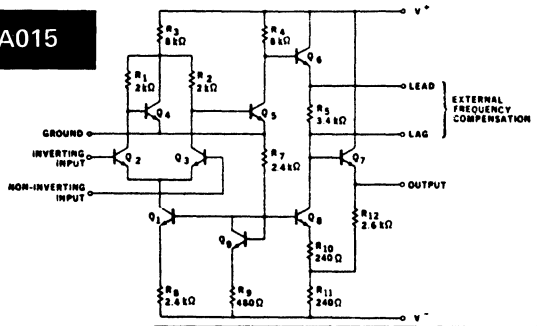
PKG	BAL A	BAL B	COMP	INPUTS −	INPUTS +	V +	V −	OUTPUT
A012 MP48	1	5	8	2	3	7	4	6
TO99								
TO91	2	6	9	3	4	8	5	7
CN	1	5		2	3	7	4	6
FP	3	9	12	4	5	11	6	10

A014

	CKT NO.	PKG	A	B	C	D	E	F	G
A014	1	CN	1	2	3	4	5	6	7
	1	FP	2	3	4	5	6	7	8
	1	MP	3	4	5	6	9	10	11
A014a	1	CN		2	3	4		1	8
	2	CN		6	5			7	



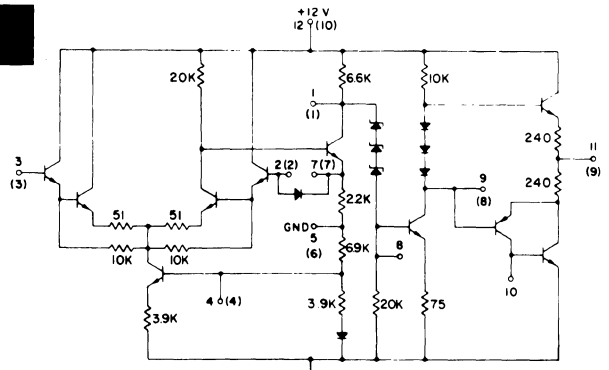
A015



	COM	INV IN	NON INV IN	V-	LAG	LEAD	OUT	V	NC
TO77 and TO99	1	2	3	4*	6	5	7	8	
FP	2	3	4	5	7	6	8	10	1,9
TO116	3	4	5	6	10	9	11	13	

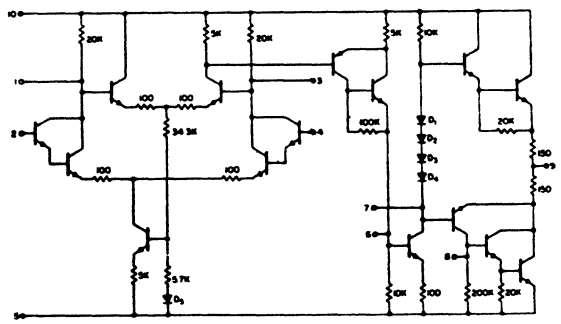
* CONNECTED TO CASE

A017

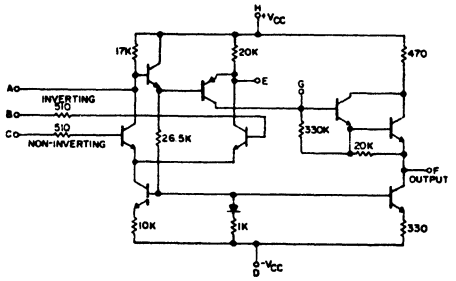


NUMBERS IN PARENTHESES REFER TO TO100

A018



A019



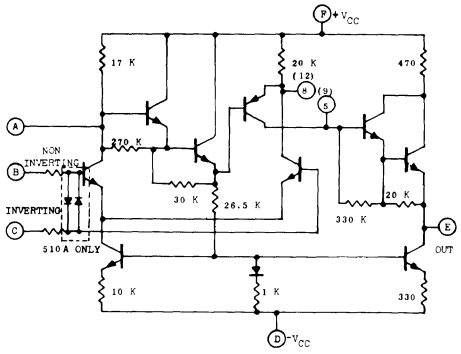
PACKAGE	A	B	C	D	E	F	G	H
CN	1	2	3	4	5	6	7	8
FP	2	3	4	5	7	8	9	10
MP	3	4	5	7	10	11	12	14

13. CIRCUIT DRAWINGS

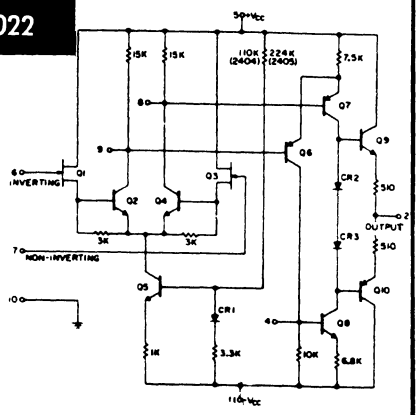
IN DRAWING NUMBER SEQUENCE

A021

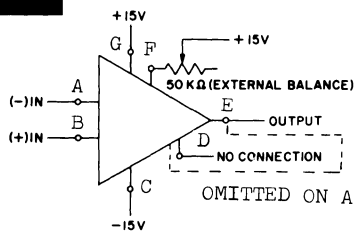
	PKG	A	B	C	D	E	F
A021	CN	1	3	2	4	6	7
	MP	3		4	6	10	11
A021a	CN	11	8	9	7	13	14
	MP	3	6	5	9	2	14



A022

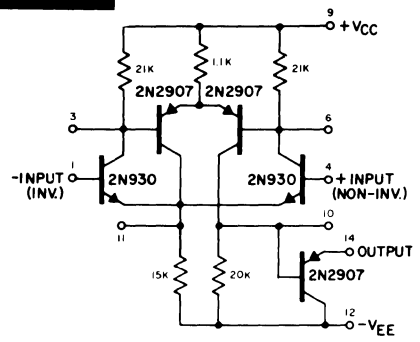


A023

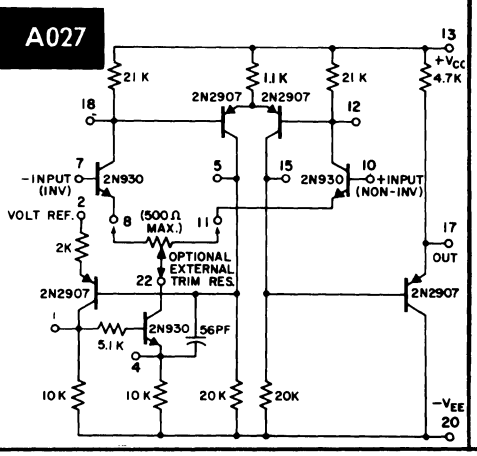


	A	B	C	D	E	F	G
A023	2	1	5	6	4	3	7
A023a	2	1	6		5	3	4

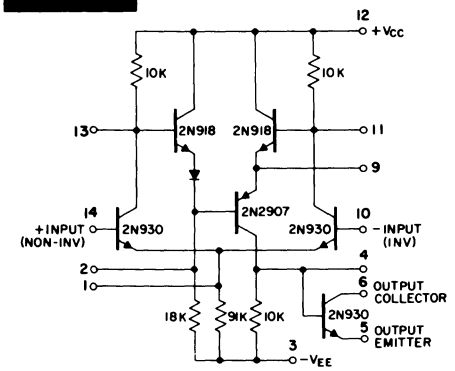
A026



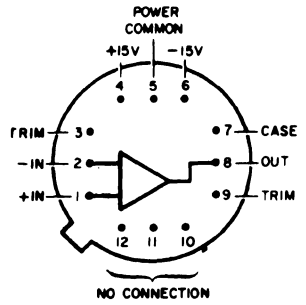
A027



A028

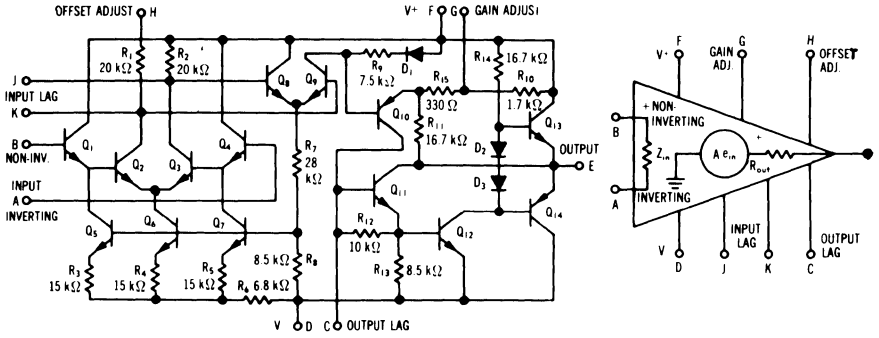


A031

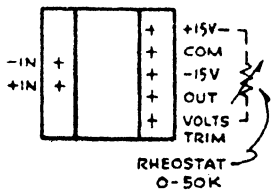


A033

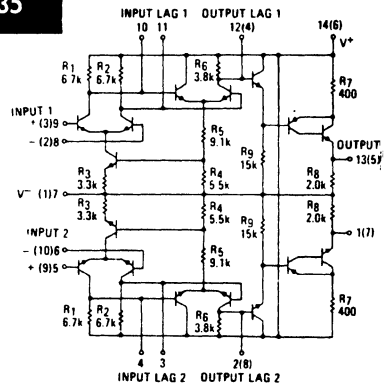
PACKAGE	A	B	C	D	E	F	G	H	J	K
CN	1	2	3	4	5	6	7	8	9	10
TO91	10	1	2	3	4	5	6	7	8	9
TO116	4	5	6	7	11	12	13	14	2	3



A034

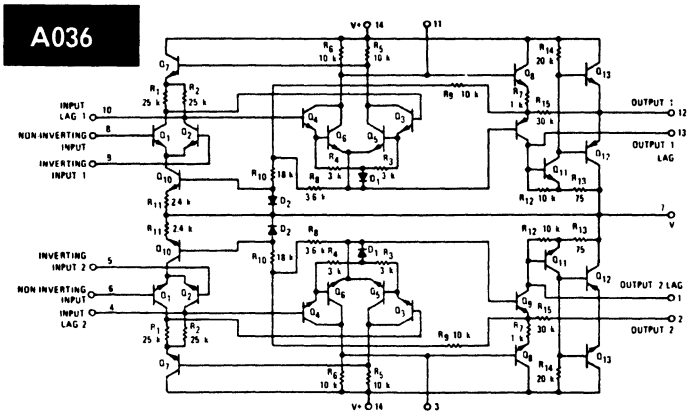


A035

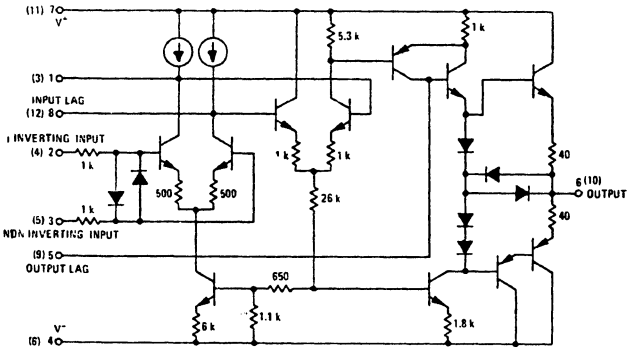


Number at end of terminal is pin number for both flat and plastic packages. Number in parenthesis is pin number for metal can package. Input lag available in flat and plastic packages.

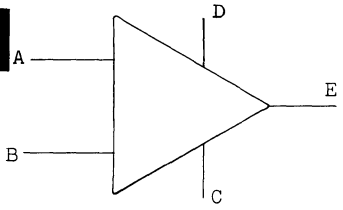
A036



A037

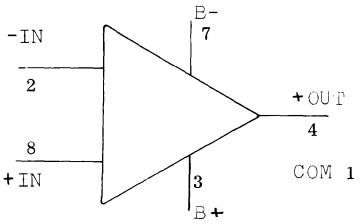


A039

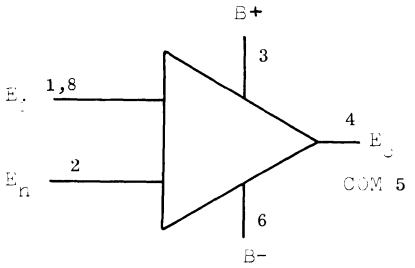


	A	B	C	D	E	COM
A039	-Ei	+Eb	B+	B-	+Eo	5
	1	8	3	6	4	

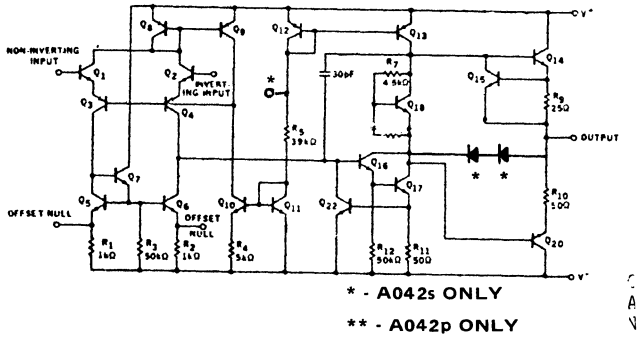
A040



A041



A042

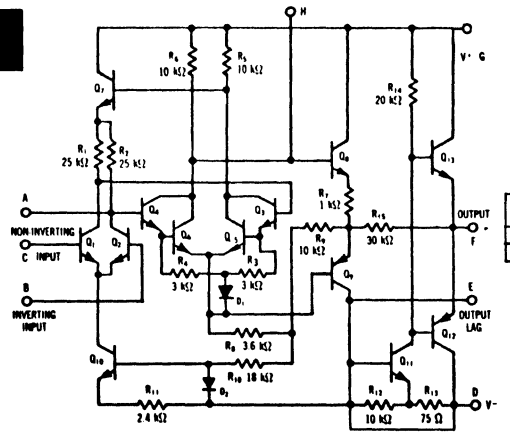


* - A042s ONLY

** - A042p ONLY

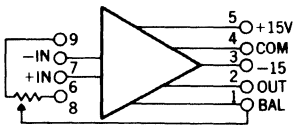
	PKG	CKT	V	V-	INPUT INV	INPUT NON INV	OFFSET NULL 1	OFFSET NULL 2	OUTPUT	COMP
A042	TO99 and FC	1	7	4	2	3	1	5	6	
	FP or MP	1	11	6	4	5	3	9	10	
A042a	MP	1	13	4	1	2	3	5	12	
		2	9		7	6	8	14	10	
A042b		1	7	4	2	3	1		6	8
A042d	TO99	1	2	5	3	4			1	
		2	8	5	7	6			9	
A042e	MP	1	11	6	4	5	3	9	10	16
	CN or MP	1	7	4	2	3	1	5	6	8
A042f	TO99	1	7	4	2	3	1	5	6	NA
A042g	TO91	1	8	5	3	4	2	6	7	
A042h	MP or	1	8	4	2	3			1	
	CN	2	8	4	6	5			7	
A042k	CN or MP	1	7	4	2	3	1	5	6	
	TO91	1	8	5	3	4	2	6	7	
	TO116 or MP	1	11	6	4	5	3	9	10	
A042m	TO99 or CN	1	7	4	2	3	1	5	6	
	FP or MP	1	11	6	4	5	3	9	10	
A042n,s	CN or FP	1	2	5	3	4			1	
		2	8		7	6			9	
	MP	1	13	4	1	2	3	14	12	
		2	9		7	6	5	8	10	
A042p	CN or MP	1	8	4	2	3			1	
		2			6	5			7	
A042q	FP or MP	1	13	4	1	2	3	14	12	
		2	9		7	6	5	8	10	
A042r	TO79	1	7	4	2	3	1	5	6	

A043



	A	B	C	D	E	F	G	H
TO99 and FC	1	2	3	4	5	6	7	8
TO91	2	3	4	5	6	7	8	9
MP	3	4	5	6	9	10	11	12

A044

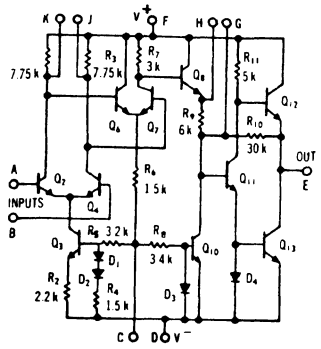


*If offset voltage adjustment is not needed, the potentiometer can be deleted and pins 1, 8 and 9 connected together.

13. CIRCUIT DRAWINGS

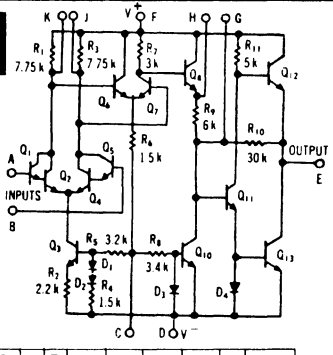
IN DRAWING NUMBER SEQUENCE

A045



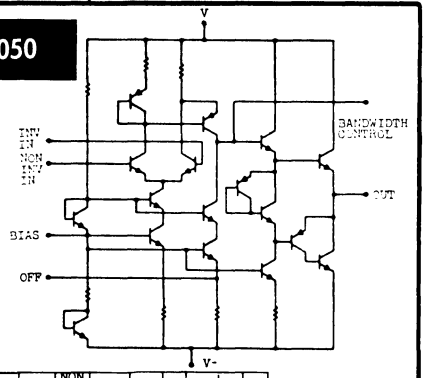
PACKAGE	A	B	C	D	E	F	G	H	J	K
CN	1	2	3	4	5	6	7	8	9	10
TO91	1	2	3	4	5	6	7	8	9	10
TO116	4	6	8	7	11	12	13	14	1	2

A046



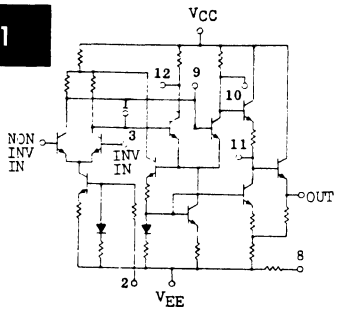
PACKAGE	A	B	C	D	E	F	G	H	J	K
CN	1	2	3	4	5	6	7	8	9	10
TO91	1	2	3	4	5	6	7	8	9	10
TO116	4	6	8	7	11	12	13	14	1	2

A050



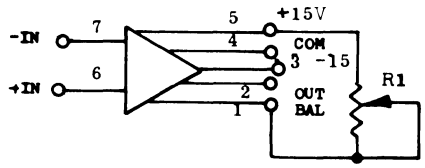
PACKAGE	INV IN	NON INV IN	BIAS	OFF	V-	OUT	BW	V+
TO86	4	5	8	7	6	10	1	11
TO99	2	3			4	6	8	7

A051



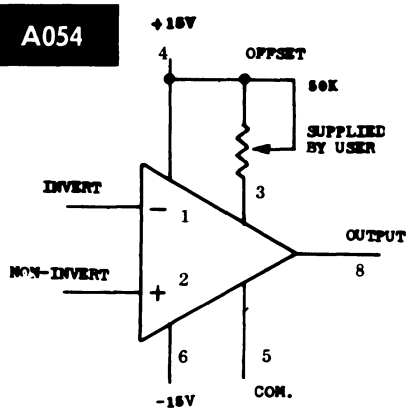
PACKAGE	NON INV IN	INV IN	V_{EE}	V_{CC}	OUT							
FP, MP, TO116	4	3	6	13	12	1	2	8	11	14	9	10
CN	3	2	4	10	9	12	1	5	8	11	6	7

A053

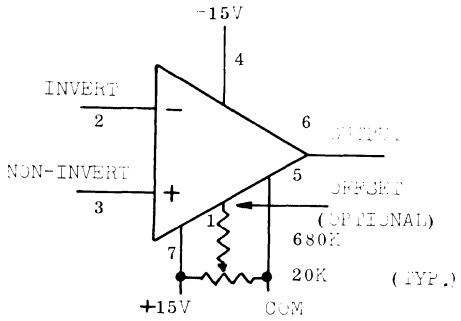


	R1
A053	ADJUSTABLE
A053a	FIXED
A053b	CONNECTED TO 3 INSTEAD OF 1

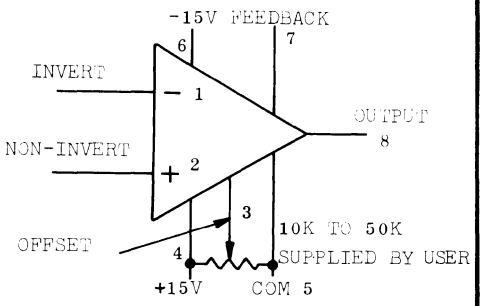
A054



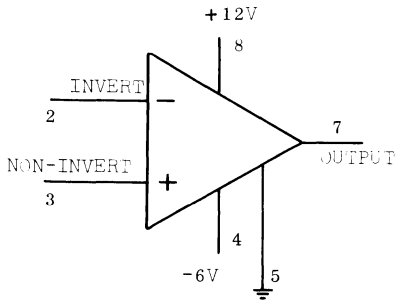
A055



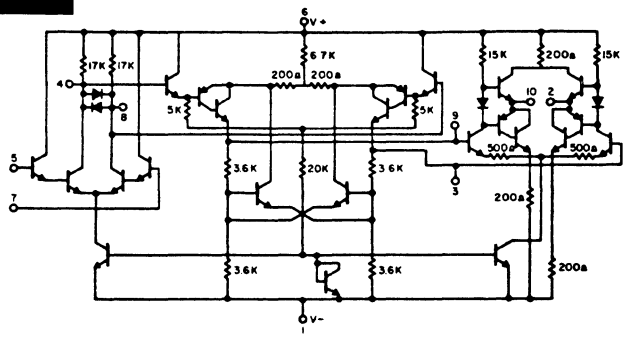
A056



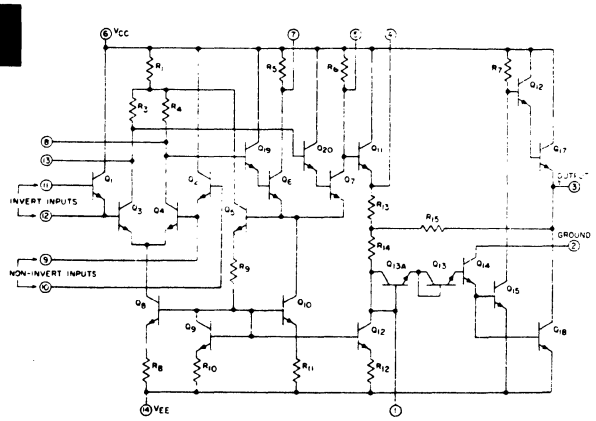
A057



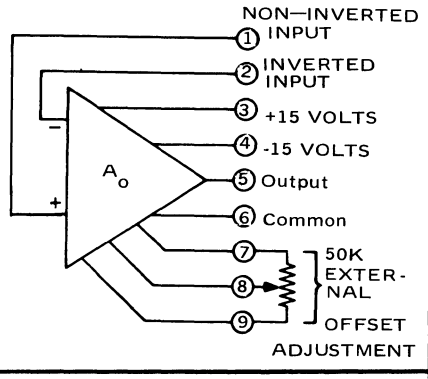
A058



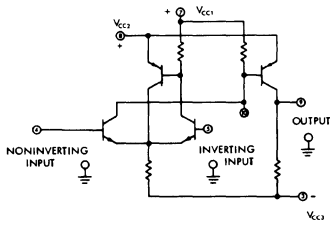
A061



A062

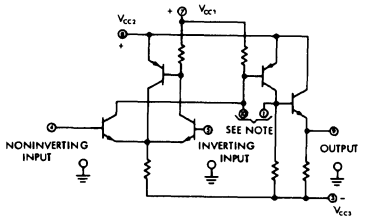


A065



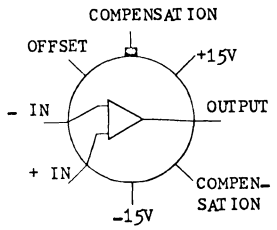
NOTES: PIN ⑧ IS FOR FREQUENCY SHAPING
PINS ①, ②, AND ⑥ — NO INTERNAL CONNECTION

A066

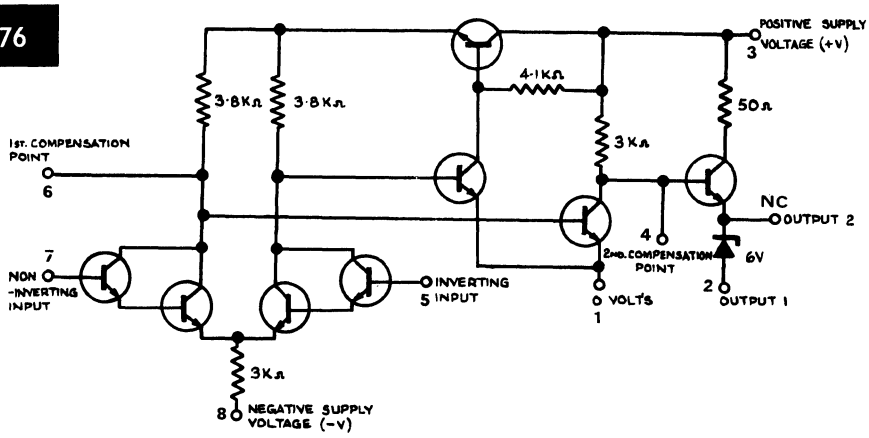


NOTES: PINS ⑩ AND ① ARE FOR FREQUENCY SHAPING
PINS ② AND ⑥ — NO INTERNAL CONNECTION

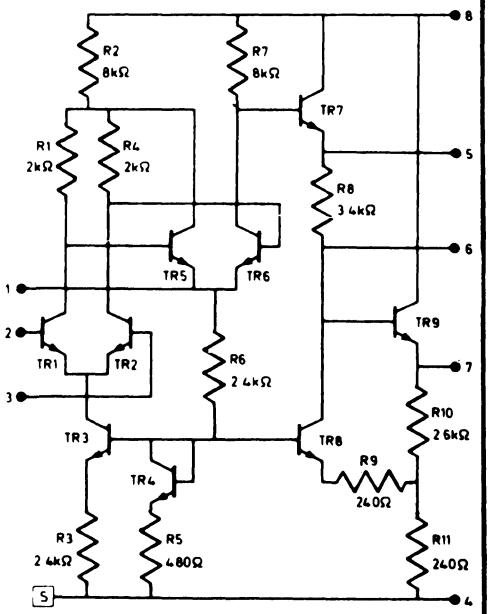
A071



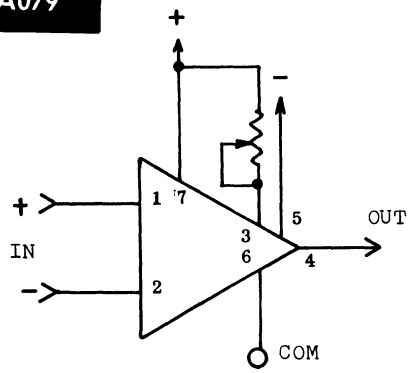
A076



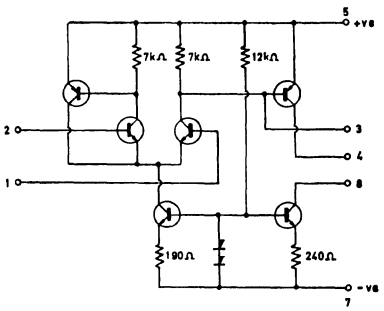
A077



A079



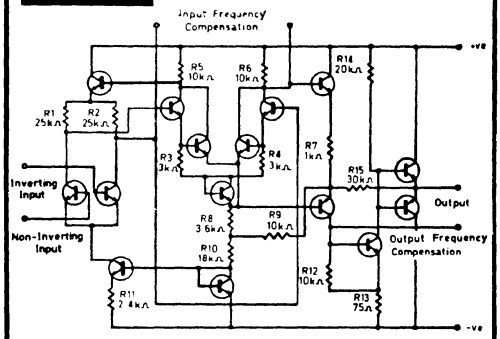
A080



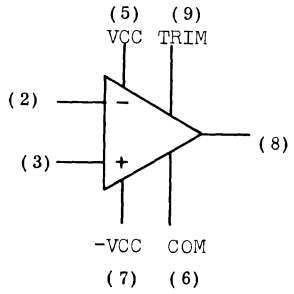
13. CIRCUIT DRAWINGS

IN DRAWING NUMBER SEQUENCE

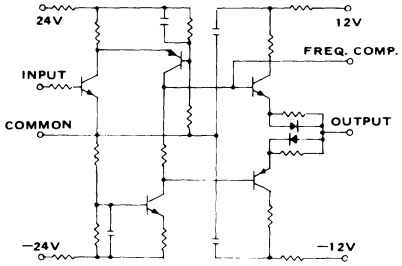
A081



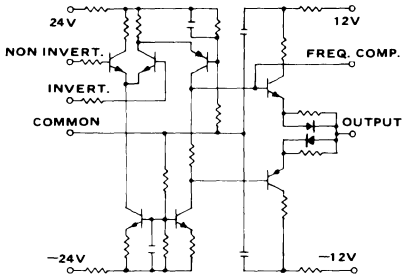
A082



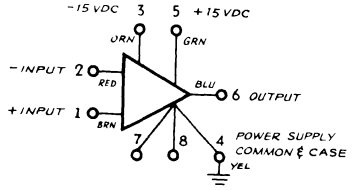
A085



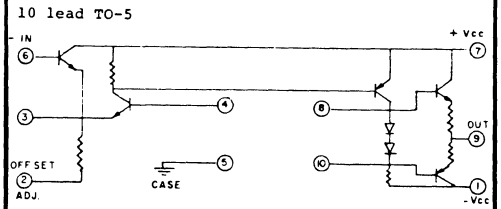
A086



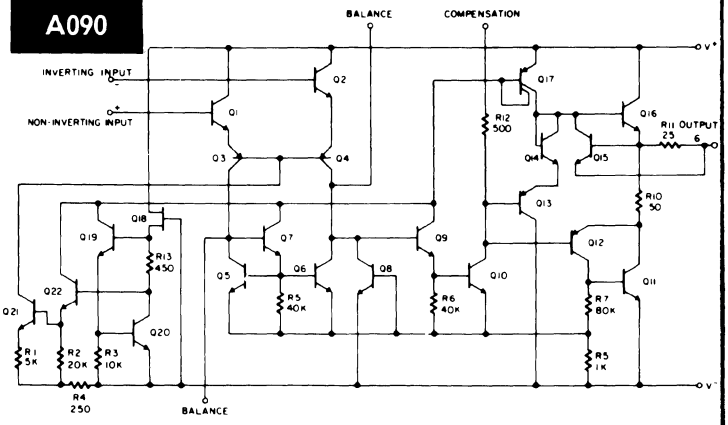
A087



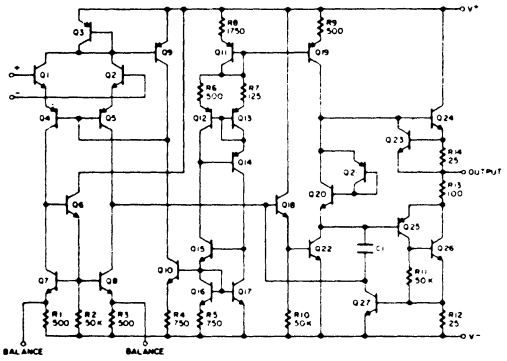
A088



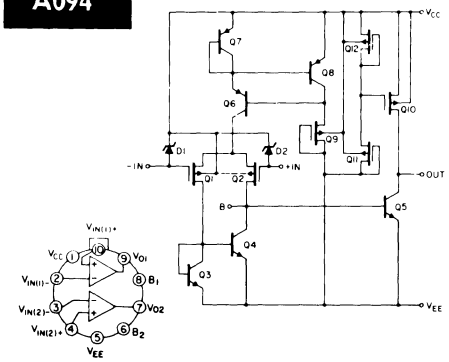
A090



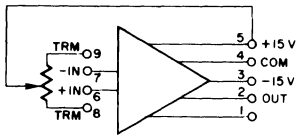
A092



A094

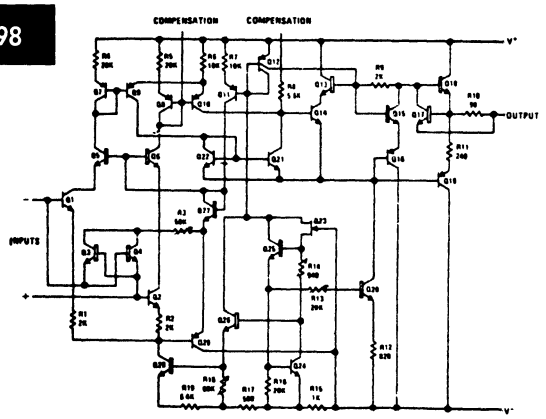


A097

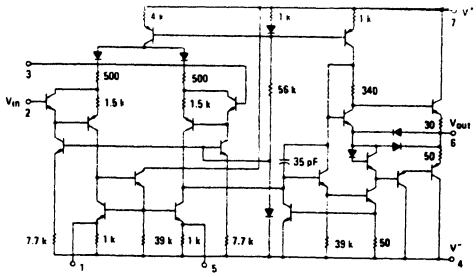


Balance potentiometer optional. If desired use 2 kΩ or any value between 500 Ω and 5 kΩ.

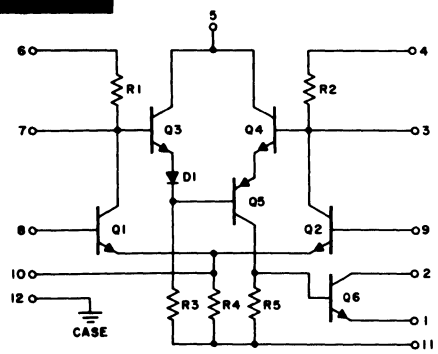
A098



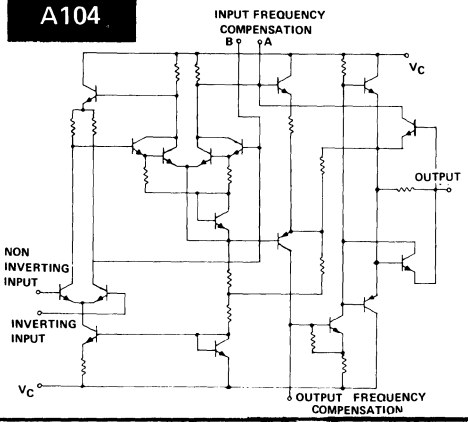
A100



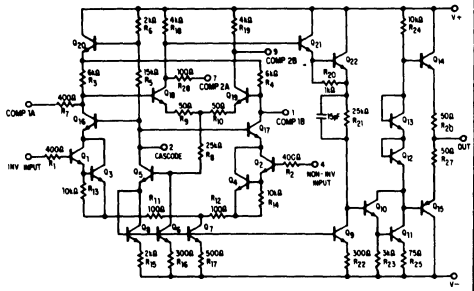
A103



A104

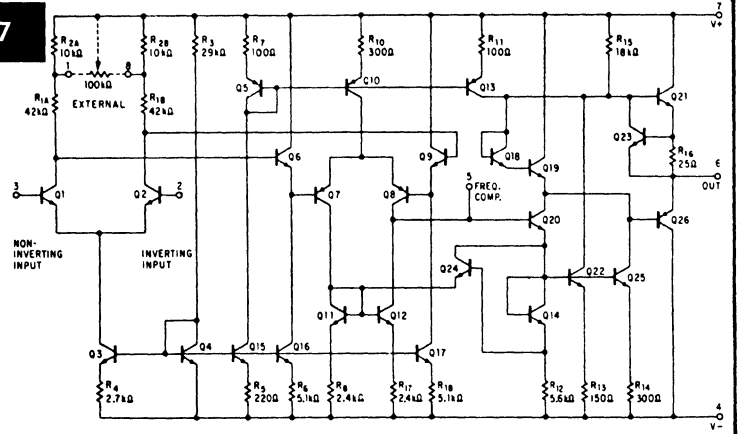


A106

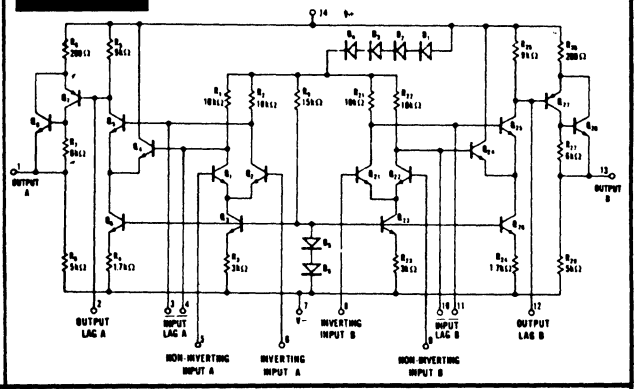


PACKAGE	COMP 1A	INV INP	V+	V-	OUT
TO100	10	3	8	5	6
MP151	1	4	13	10	11

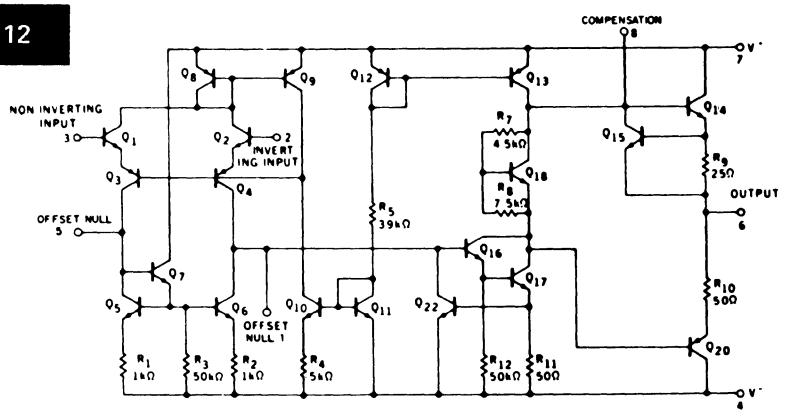
A107



A109

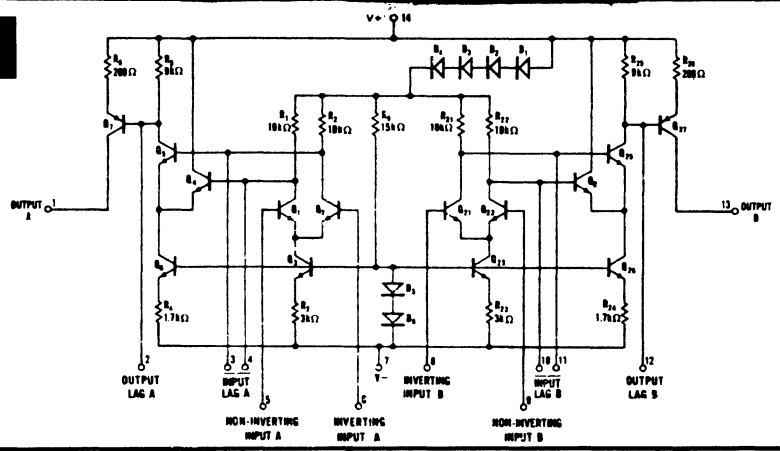


A112

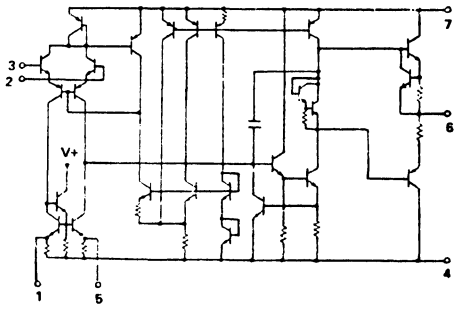


	PKG	CKT	V+	V-	INPUT INV	INPUT NON INV	OFFSET NULL 1	OFFSET NULL 2	OUT	COMP
A112a		1	7	4	2	3	5	1	6	8
A112b	CN or MP	1	7	4	2	3	1	5	6	8
	MP	1	11	6	4	5	3	9	10	12

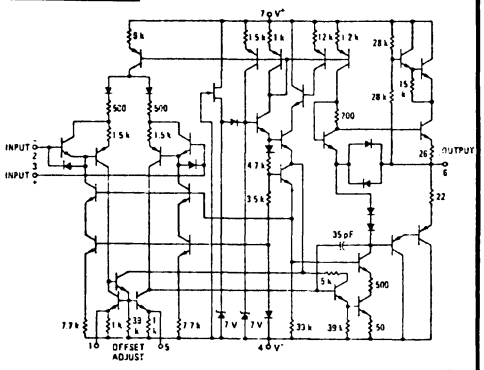
A113



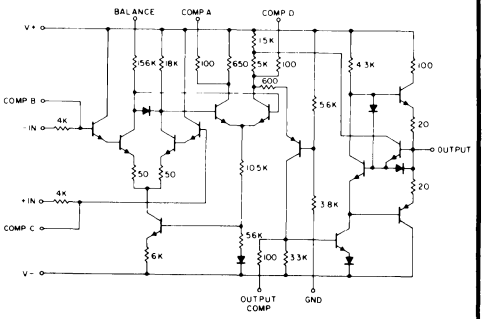
A117



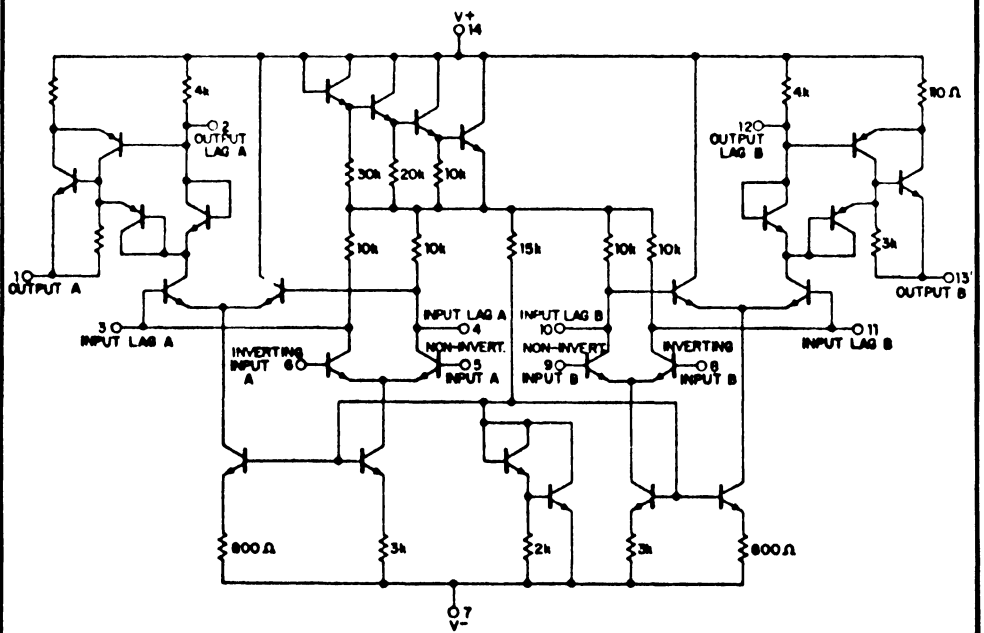
A118



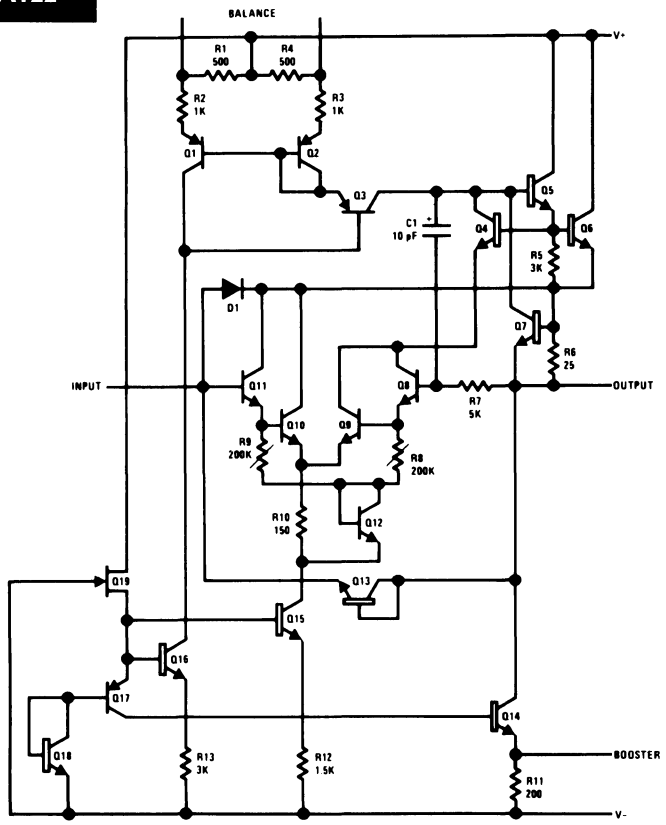
A119



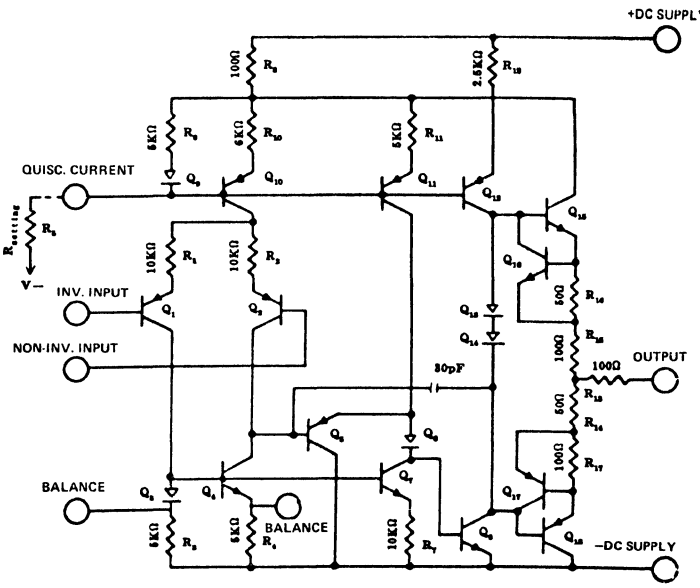
A121



A122

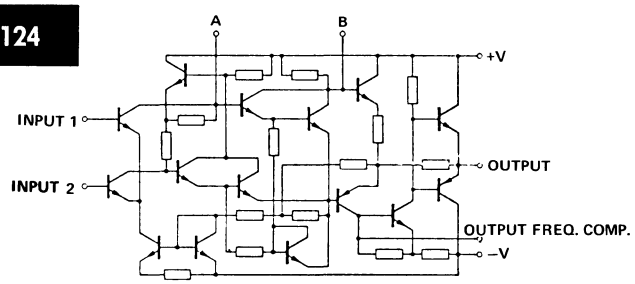


A123



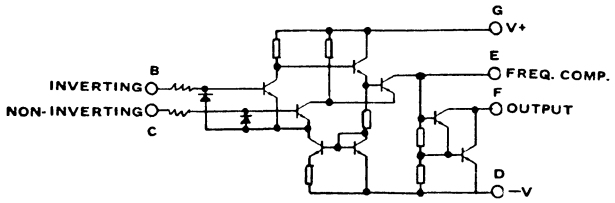
	PKG.	CKT	BAL 1	INV. IN	NON INV. IN	NEG SUP	BAL 2	OUT	POS SUP	QUIESC. CURRENT
A123	TO99	1	1	2	3	4	5	6	7	8
	MP	1		1	2	8		3	4	14
		2		6	7	8		9	4	5
		3		11	12	8		13	4	10
A123a	TO99	1	5	2	3	4	1	6	7	8
A123b	CN, MP	1	1	2	3	4	5	6	7	8

A124



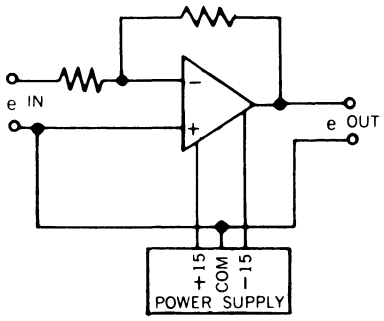
	IN 1	IN 2	A	B	+V	OUT	OUT FREQ. COMP.	-V
A124	2	3	1	8	7	6	5	4
A124a	3	4	2	9	8	7	6	5

A125

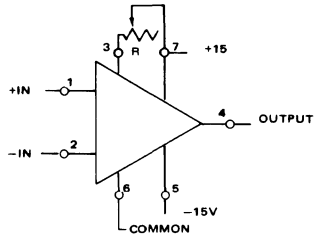


	PKG	B	C	D	E	F	G
A125		4	3	6	8	7	2
A125a	FP	5	3	6	10	8	1
	MP	3	2	4	6	5	1
	CN	4	3	6	8	7	2

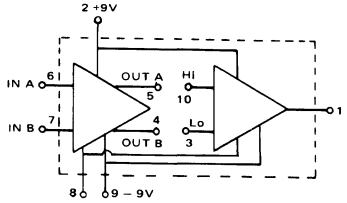
A128



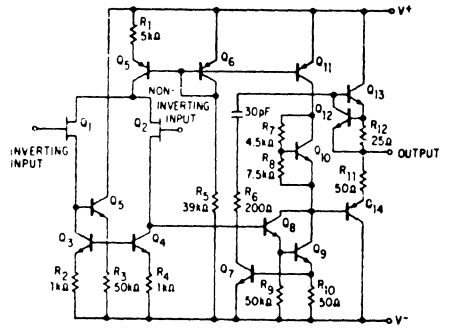
A129



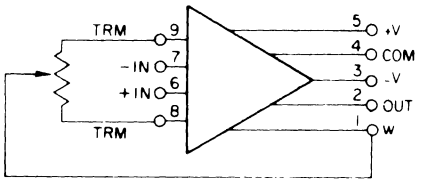
A130



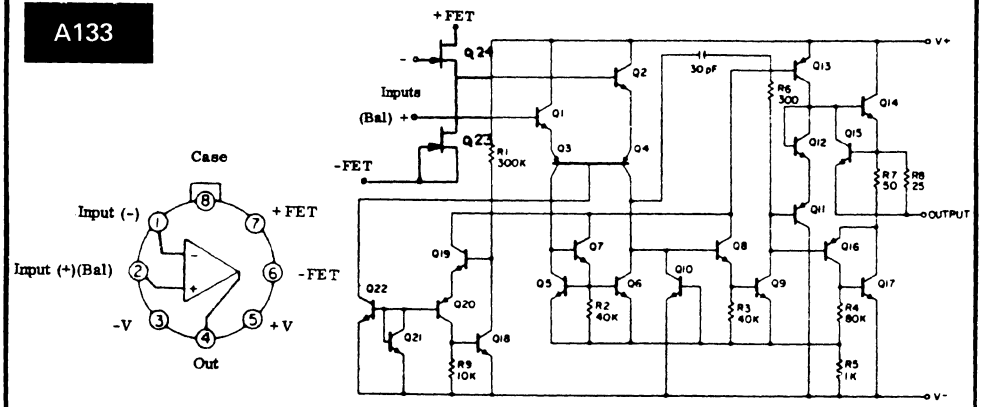
A131



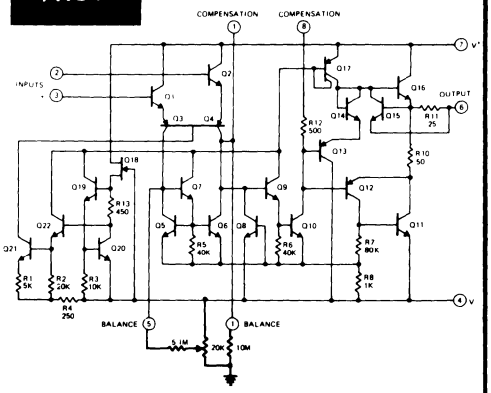
A132



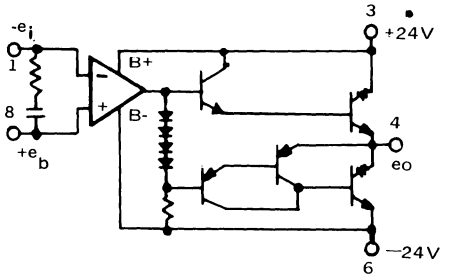
A133



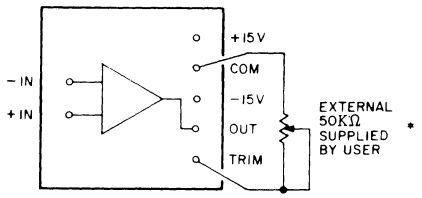
A134



A135

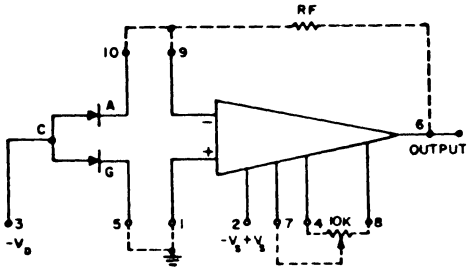


A136

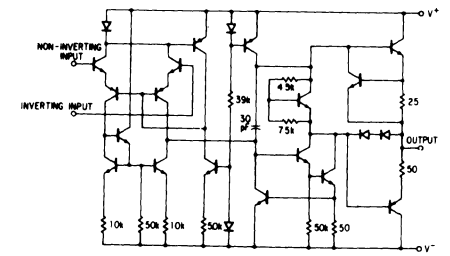


*- A136a HAS 1kΩ SUPPLIED

A137

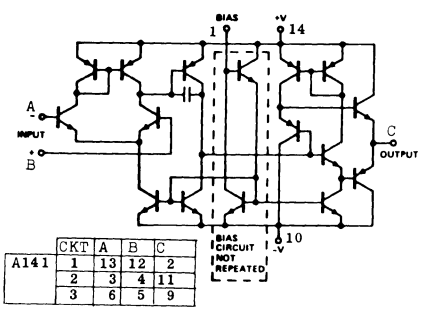


A140



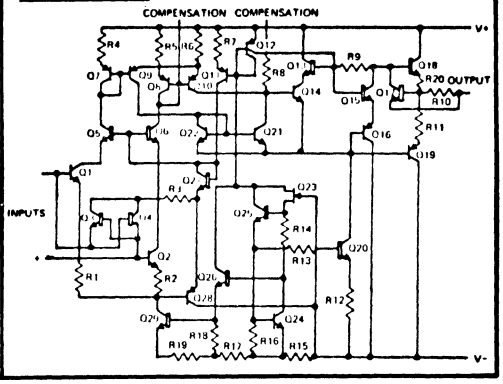
	CKT	INV INP	NON INV INP	OUTPUT	V+	V-
A140	1	2	3	1	8	4
	2	6	5	7		
A140a	1	5	6	2	14	7
	2	9	8	12		

A141



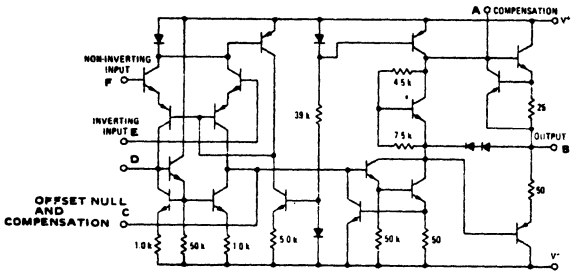
	CKT	A	B	C
A141	1	13	12	2
	2	3	4	11
	3	6	5	9

A146



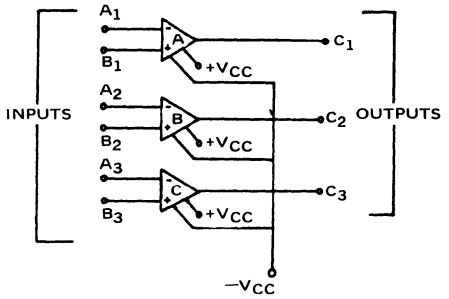
A148

	PKG	A	B	C	D	E	F	V+	V-
A148	CN	8	6	1	5	2	3	7	4
A148a	FC	H	F	A	E	B	C	G	D
	FP	9	7	2	6	3	4	8	5



A149

	CKT	A	B	C	+VCC	-VCC
A149	1	13	14	2	12	8
	2	4	5	11	3	
	3	9	10	7	8	
A149a	1	1	2	12	13	4
	2	7	6	10	9	



A150

	PKG	COMP	INV IN	NON-INV IN	OFFSET NULL COMP N1	OFFSET NULL N2	OUT	V+	V-
A150	MP/FP	12	4	5	3	9	10	11	6
	TO99/MP	8	2	3	1	5	6	7	4

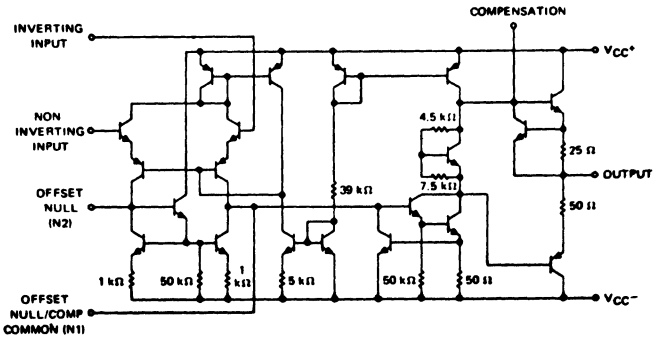
A151

NOTE: N1 and N2 ARE OFFSET NULL.

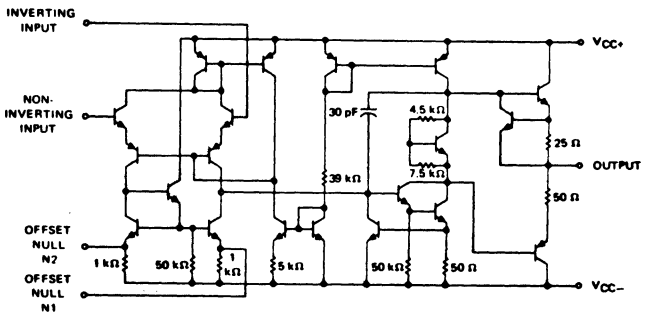
	PKG	VCC+	OUT	N2	N1	INV IN	NON-INV IN	VCC-
A151	MP48	7	6	5	1	2	3	4

A153

	PKG	INV IN	NON-INV IN	OFFSET NULL COMP N1	OFFSET NULL N2	COMP	OUT	V+	V-
A153	MP/FP	4	5	3	9	12	10	11	6
	TO99/MP	2	3	1	5	8	6	7	4

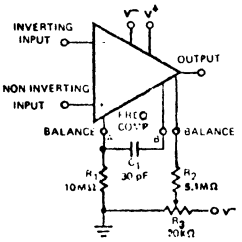


A154

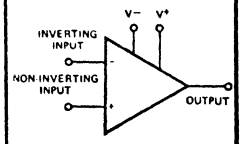


	PKG	CKT	INV IN	NON-INV IN	OFFSET NULL N1	OFFSET NULL N2	OUT	V+	V-
A154	MP/FP	1	4	5	3	9	10	11	6
	TO99/MP	1	2	3	1	5	6	7	4
A154a	MP	1	1	2	14	3	12	1	4
		2	7	6	8	5	10	2	4

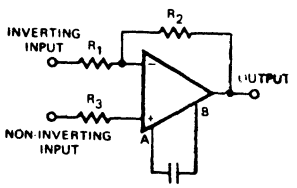
A155

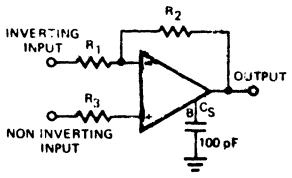


A156

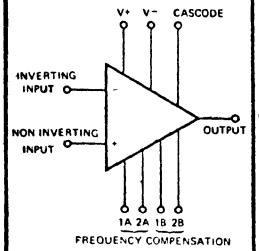


A157

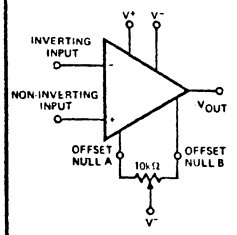




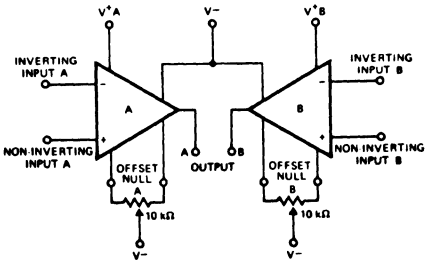
A158



A159



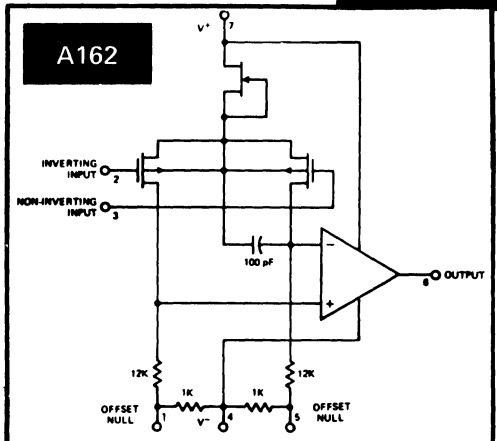
A160



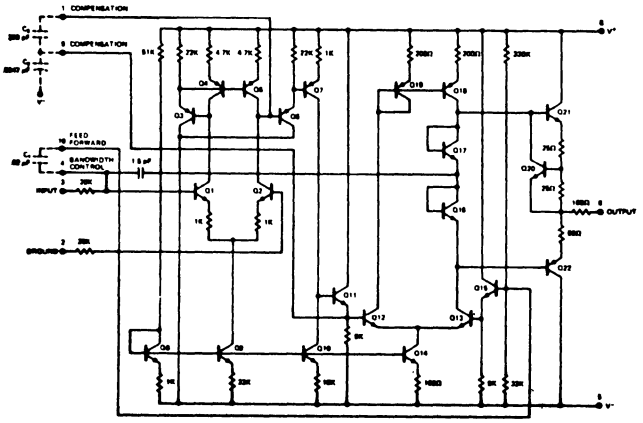
13. CIRCUIT DRAWINGS

IN DRAWING NUMBER SEQUENCE

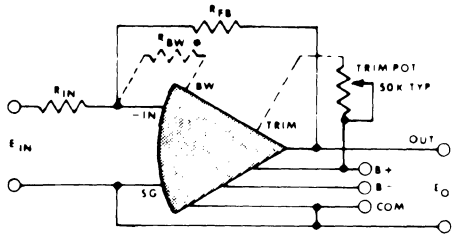
A162



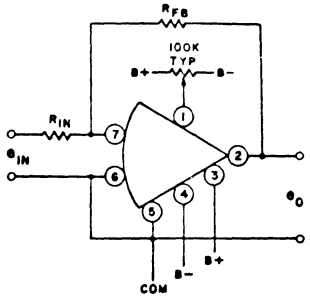
A163



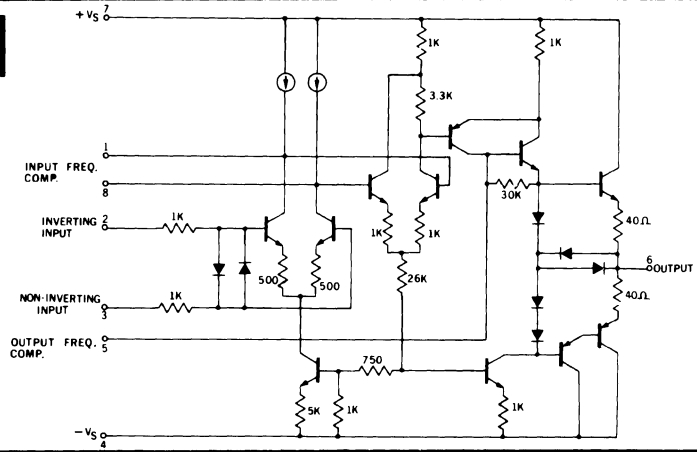
A164



A165

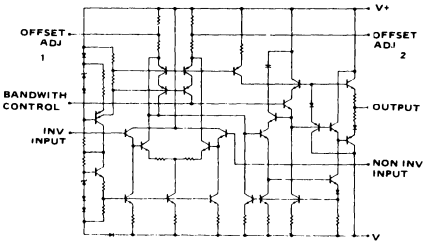


A169

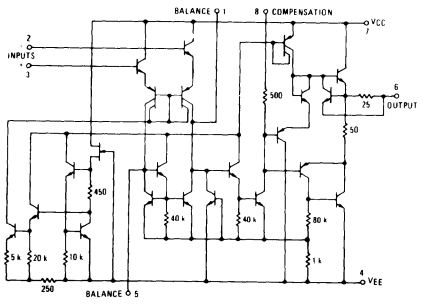


A170

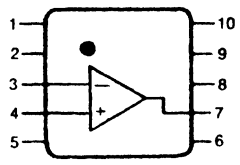
	OFFSET ADJ. 1	OFFSET ADJ. 2	IN-	IN+	B.W.	OUT	V-	V+
A170	1	5	2	3	8	6	4	7
A170a	3	11	4	5	2	12	10	13



A171



A172

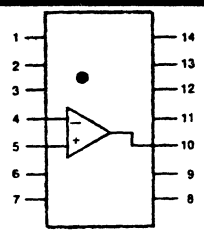


	PIN NUMBERS									
	1	2	3	4	5	6	7	8	9	10
A172	N.C.	BALANCE	INV.INP	NON INV.INP	V-	BALANCE	OUTP	V	N.C	N.C.
A172a	N.C.	BALANCE/ COMP	INV.INP	NON INV.INP	V-	BALANCE	OUTP	V	COMP.	N.C.
A172b	N.C.	N.C.	INV.INP	NON INV.INP	V-	N.C.	OUTP	V	N.C.	N.C.
A172c	N.C.	VOS TRIM	INV.INP	NON INV.INP	V-	COMP.	OUTP	V	VOS TRIM	N.C.
A172d	N.C.	INP.LAG	INV.INP	NON INV.INP	-VS	OUT LAG	OUT	+VS	INP.LAG	N.C.

13. CIRCUIT DRAWINGS

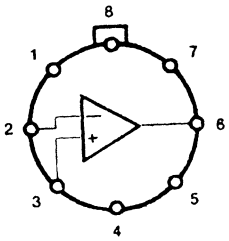
IN DRAWING NUMBER SEQUENCE

A173



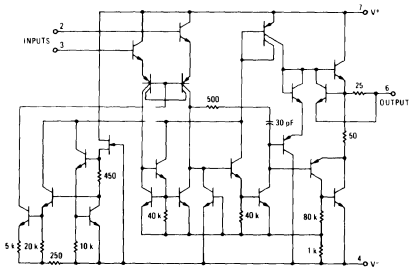
	PIN NUMBERS													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
A173	N.C.	N.C.	BALANCE	INV.INP	NON INV.INP	V-	N.C.	N.C.	BALANCE	OUTP	V+	N.C.	N.C.	N.C.
A173a	N.C.	N.C.	BALANCE/ COMP.	INV.INP	NON INV.INP	V-	N.C.	N.C.	BALANCE	OUTP	V+	COMP.	N.C.	N.C.
A173b	N.C.	N.C.	N.C.	INV.INP	NON INV.INP	V-	N.C.	N.C.	N.C.	OUTP	V+	N.C.	N.C.	N.C.
A173c	N.C.	N.C.	VOS TRIM	INV.INP	NON INV.INP	V-	N.C.	N.C.	COMP.	OUTP	V+	VOS TRIM	N.C.	N.C.
A173d	N.C.	OFF. ADJ.A	INV.INP	NON INV INP	-VS	N.C.	N.C.	N.C.	N.C.	OFF ADJ.B	OUT	+VS	EXT. COMP.	N.C.
A173e	N.C.	OFF. ADJ.A	INV.INP	NON INV INP	-VS	N.C.	N.C.	N.C.	N.C.	OFF ADJ.B	OUT	+VS	N.C.	N.C.
A173f	N.C.	INP LAG	INV.INP	NON INV INP	-VS	N.C.	N.C.	N.C.	N.C.	OUT LAG	OUT	+VS	INP LAG	N.C.

A174

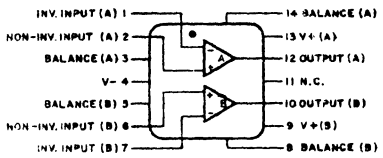


	PIN NUMBERS							
	1	2	3	4	5	6	7	8
A174	BALANCE	INV.INP	NON INV.INP	V-	BALANCE	OUTP.	V+	N.C.
A174a	VOS TRIM	INV.INP	NON INV.INP	V-	COMP.	OUTP.	V+	VOS TRIM
A174b	BALANCE/ COMP.	INV.INP	NON INV.INP	V-	BALANCE	OUTP.	V+	COMP.
A174c	N.C.	INV.INP	NON INV.INP	V-	N.C.	OUTP.	V+	N.C.
A174d	COMP.	INV.INP	NON INV INP	V-	BIAS SET	OUT	V+	COMP.
A174e	INP.LAG	INV.INP	NON INV INP	-VS	OUTP LAG	OUTP	+VS	INP LAG

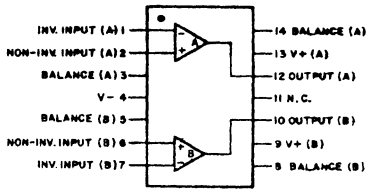
A175



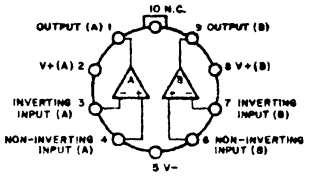
A176



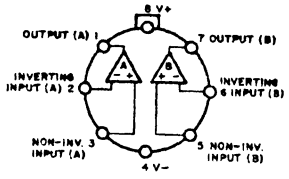
A177



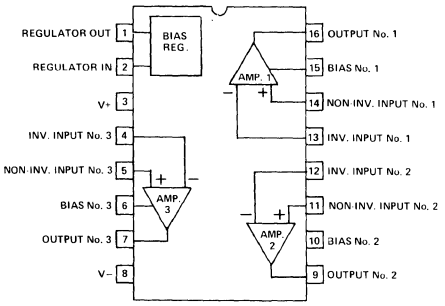
A178



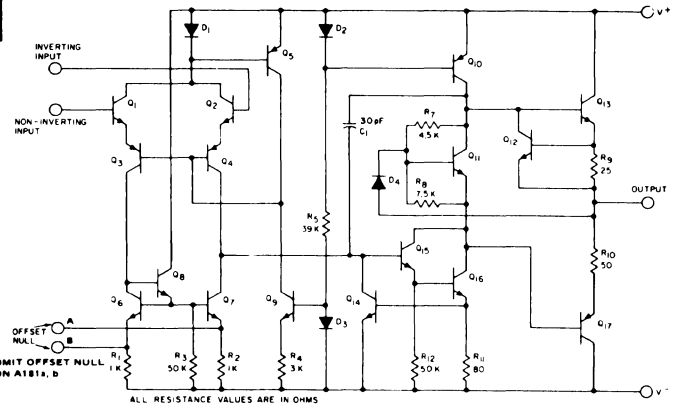
A179



A180

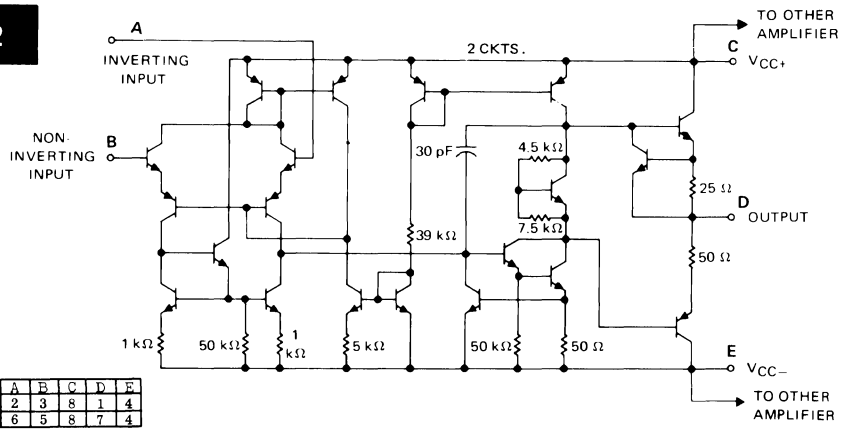


A181



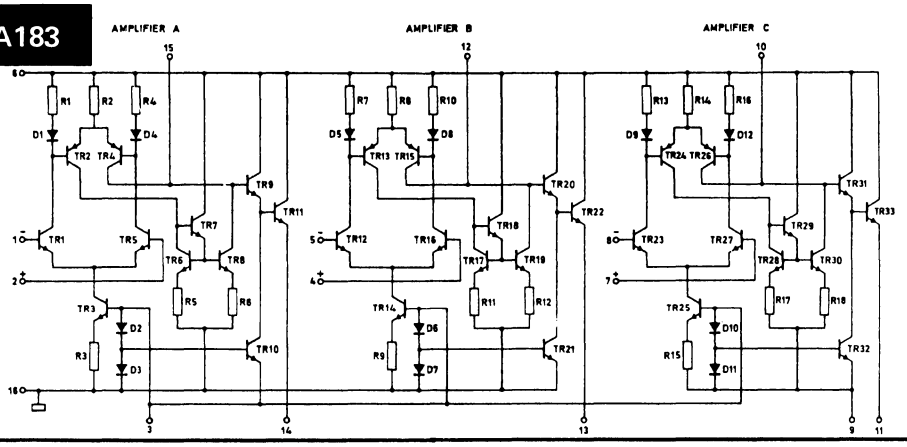
	PKG	CKT NO.	INVERT INP.	NON INV. INP.	OFFSET NULL A	OFFSET NULL B	OUTPUT	V+	V-
A181	CN	1	2	3	1	5	6	7	4
A181a	CN	1	2	3			1	8	4
		2	6	5			7	8	4
A181b	CN	1	3	4			1	8	5
		2	7	6			9	8	5
A181c	MP	1	1	2	3	5	12	13	4
		2	7	6	14	8	10	9	4
A181d	CN	1	2	3	1	5	6	7	4

A182

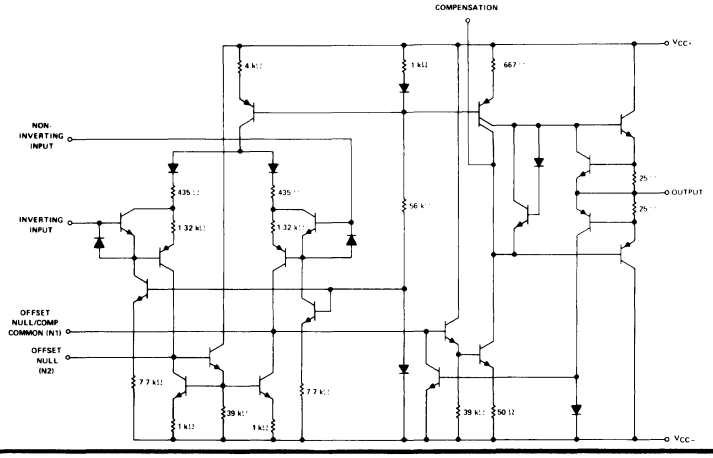


	CKT	A	B	C	D	E
A182	1	2	3	8	1	4
	2	6	5	8	7	4

A183

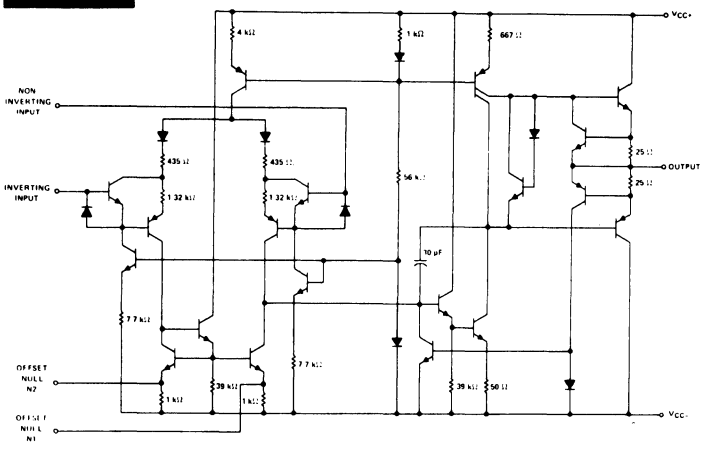


A184



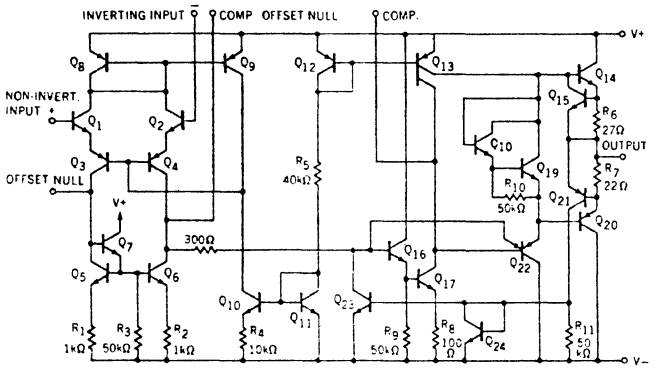
	PKG	INV IN	NON INV IN	N1	N2	COMP	OUT	V+	V-
A184	CN, MP	2	3	1	5	8	6	7	4
	FP, MP	4	5	2	9	12	10	11	7

A185



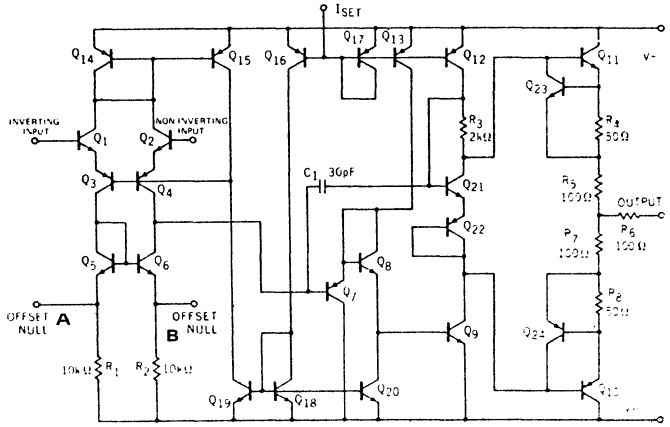
	PKG	NON INV IN	INV IN	N2	N1	OUT	V+	V-
A185	CN, MP	3	2	5	1	6	7	4
	FP, MP	5	4	9	2	10	11	7

A186



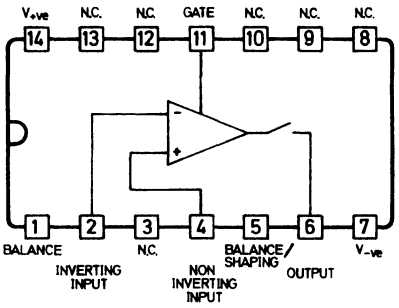
	PKG	INV. INP	NON INV. INP	OFFSET NULL	COMP. OFFSET NULL	COM	OUTPUT	V-	V+
A186	FP	3	4	6	2	9	7	5	8
A186a	FP, CN	2	3	5	1	8	6	4	7
A186b	MP	4	5	9	3	12	10	6	11

A187

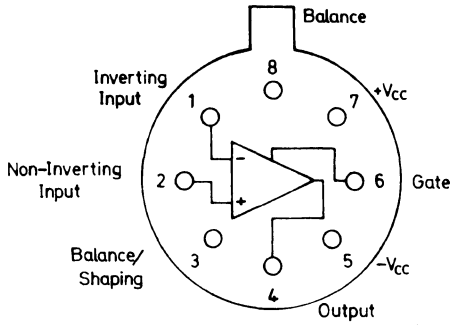


	PKG	ISET	INV. INP	NON INV. INP	OFFSET NULL A	OFFSET NULL B	OUTP.	V+	V-
A187	CN, FP	8	2	3	1	5	6	7	4
A187a	MP	12	4	5	3	9	10	11	6

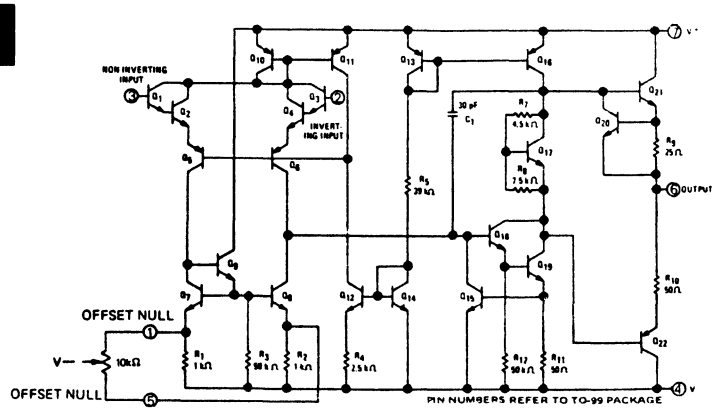
A188



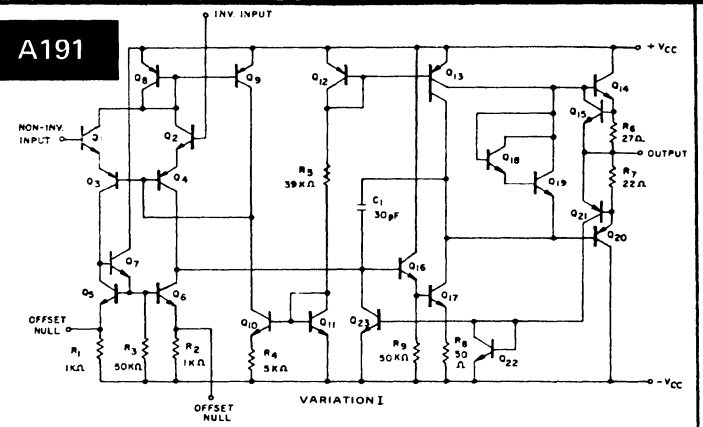
A189

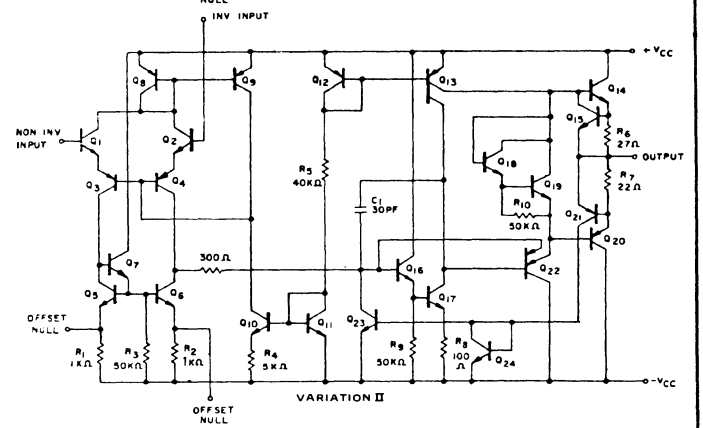


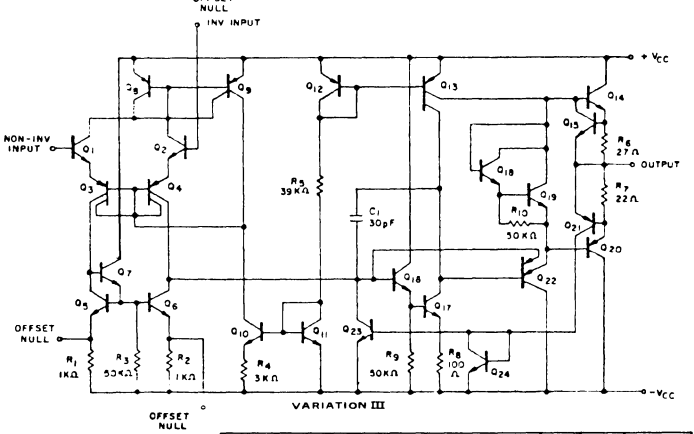
A190



A191

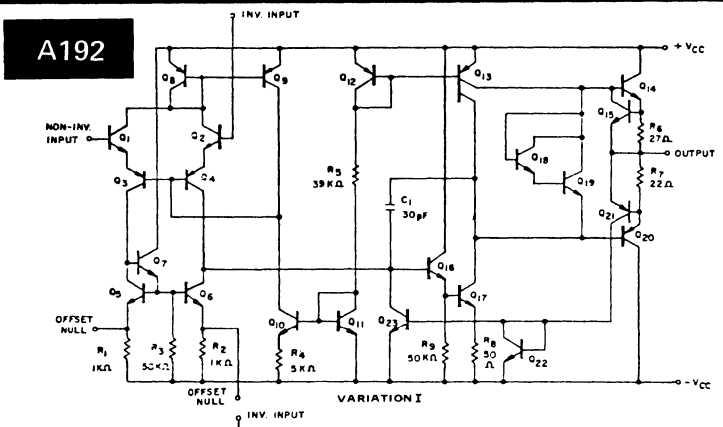


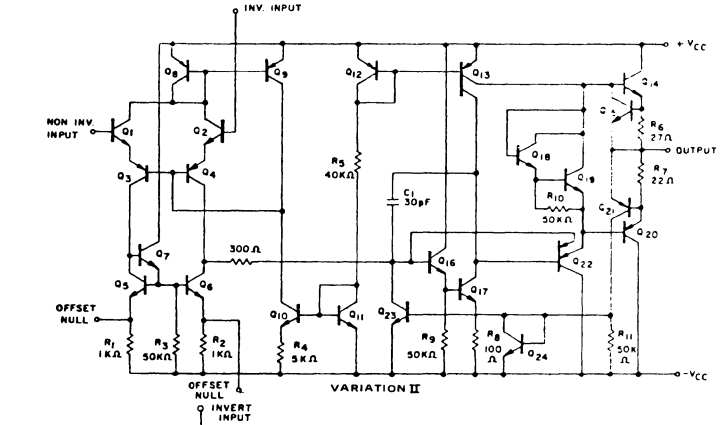


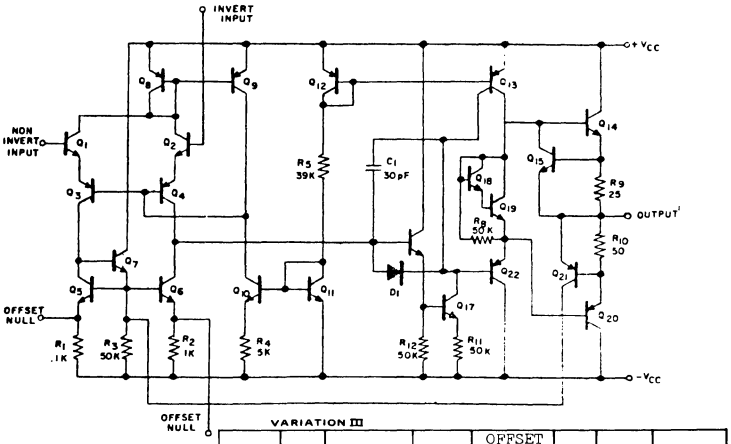


	PKG	NON INV. INPUT	INV. INPUT	OFFSET NULL 1	OFFSET NULL 2	VCC -	VCC +	OUTPUT
A191	FP2r	4	3	2	6	5	8	7
	FP, MP	5	4	3	9	6	11	10
	CN	3	2	1	5	4	7	6

A192

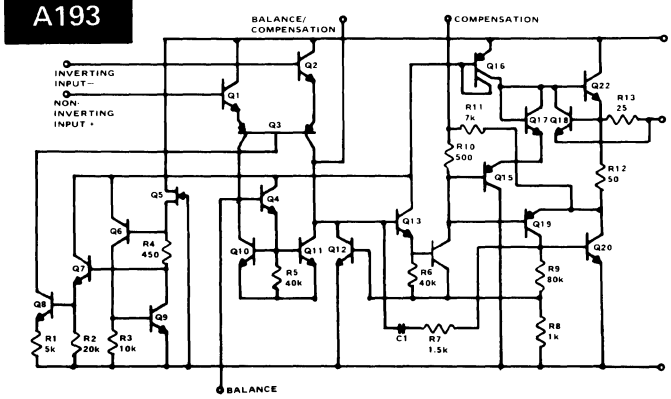






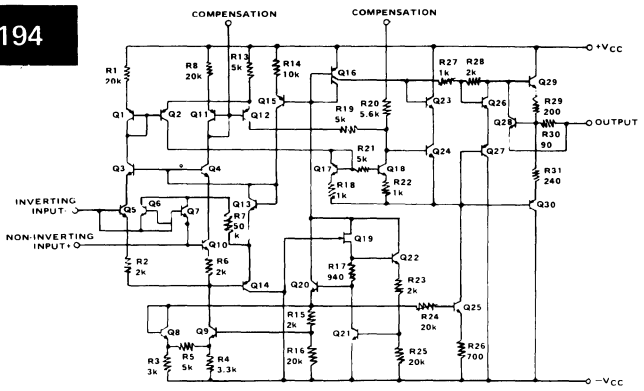
	PKG	CKT NO.	NON INV. INPUT	INV. INPUT	OFFSET NULL A	OFFSET NULL B	VCC -	VCC +	OUTPUT
A192	FP OR	1	2	1	3	5	4	9,13	12
	MP	2	6	7	14	8			10
	CN	1	4	3			2,5	8	1
		2	6	7					9

A193



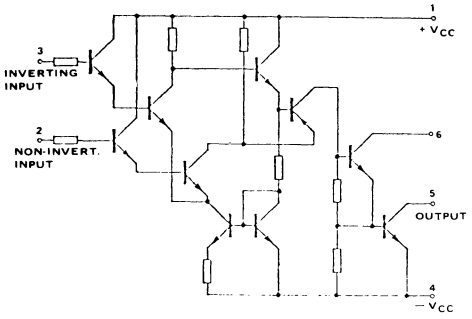
	PKG	OFFSET NULL/ COMP	NON INV INPUT	INV INPUT	VCC -	VCC +	OFFSET NULL	COMP	OUTPUT
A193	FP	2	4	3	5	8	6	9	7
	MP	3	5	4	6	11	9	12	10
	CN	1	3	2	4	7		8	6

A194

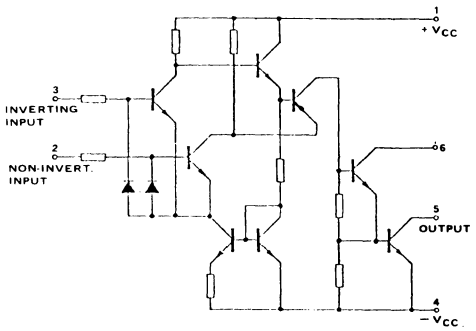


	PKG	GUARD 1	GUARD 2	NON INV INPUT	INV INPUT	COMP 1	COMP 2	VCC +	VCC -	OUTPUT
A194	FP	2	5	4	3	10	9	8	6	7
	MP	3	6	5	4	2	12	11	7	10
	CN			3	2	8	1	7	4	6

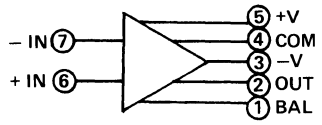
A195



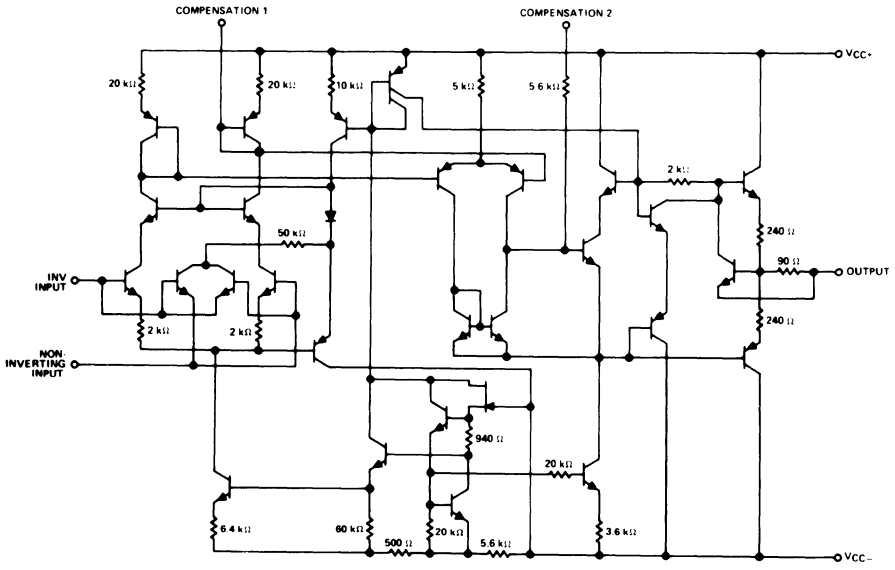
A196



A197

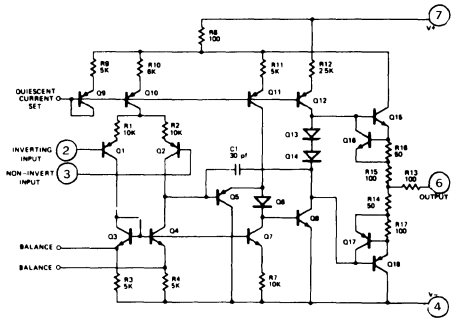


A198

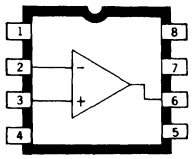


	PKG	INV INPUT	NON INV INPUT	COMP 1	COMP 2	OUTPUT	VCC+	VCC-
A198	MP	4	5	2	12	10	11	7
	CN, MP	2	3	1	8	6	7	4
	FP	3	4	10	9	7	8	6

A199

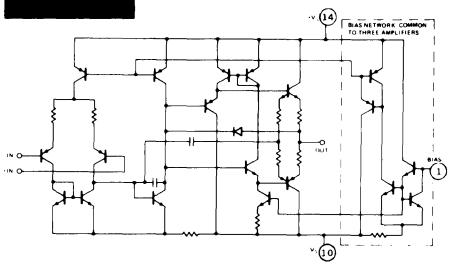


A200



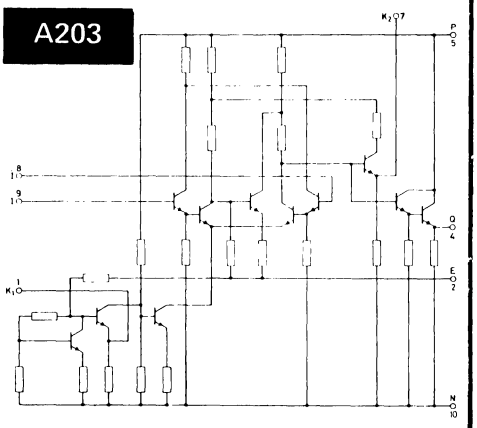
	PIN NUMBERS 1	2	3	4	5	6	7	8
A200	OFF ADJ.A	INV INP	NON INV INP	-VS	OFF ADJ.B	OUT	+VS	EXT COMP
A200a	OFF ADJ.A	INV INP	NON INV INP	-VS	OFF ADJ.B	OUT	+VS	N.C.
A200b	INF LAG	INV INP	NON INV INP	-VS	OFF ADJ.B	OUTP LAG	+VS	INF LAG

A201

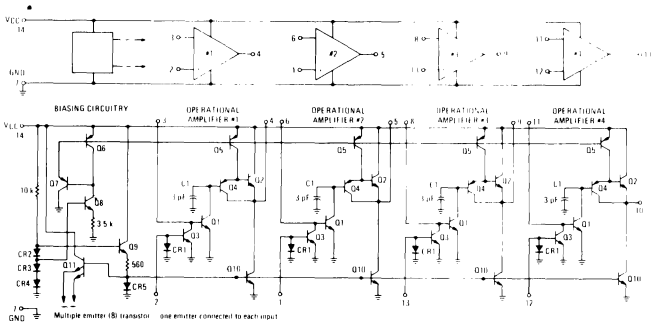


	CKT	IN +	IN −	OUT
A201	1	12	13	2
	2	4	3	11
	3	5	6	9

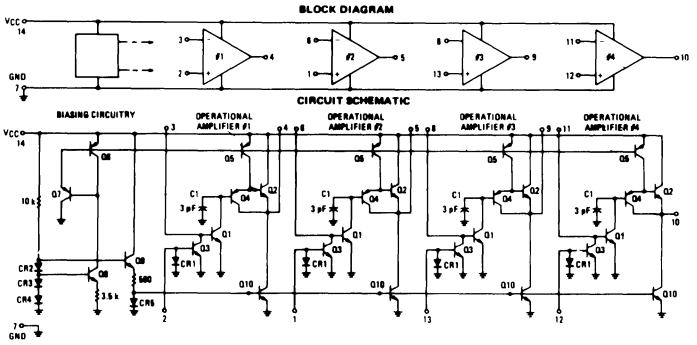
A203



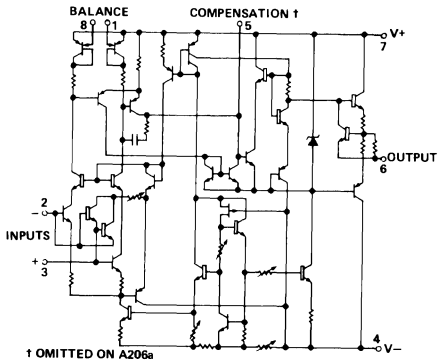
A204



A205

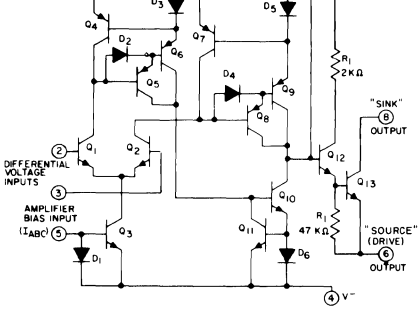


A206

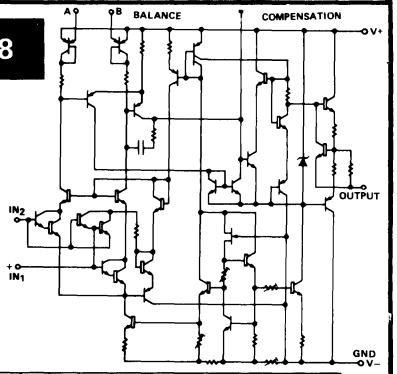


A207

OUTPUT MODE	OUTPUT TERM	INPUTS INV	INPUTS NON-INV
"SOURCE"	6	2	3
"SINK"	8	3	2



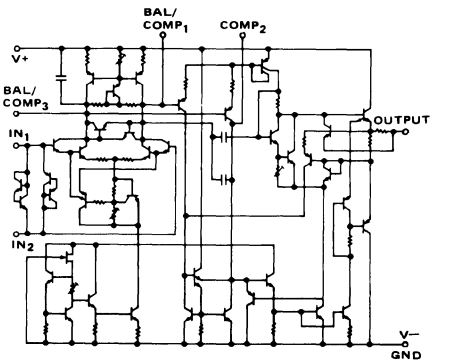
A208



		IN1	IN2	BALANCE A	BALANCE B	COMP	V+	V−	OUT	GUARD1	GUARD2
A208	CN	3	2	8	1	5	7	4	6	NA	NA
	PP	4	3	10	9	NA	8	5	7	2	5
	MP	5	4	2	12	9	11	7	10	3	6

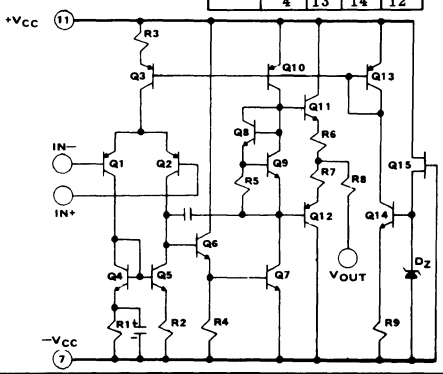
A209

		BAL/COMP1	COMP2	BAL/COMP3	IN1	IN2	V+	V−	OUT
A209	CN	1	8	5	2	3	7	4	6
	PP	2	9	6	3	4	8	5	7
	MP	3	12	9	4	5	11	6	10



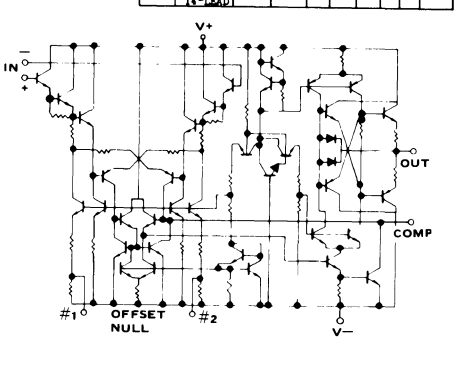
A210

	CKT	IN	IN	OUT
A210	1	2	1	3
	2	5	6	4
	3	9	8	10
	4	13	14	12



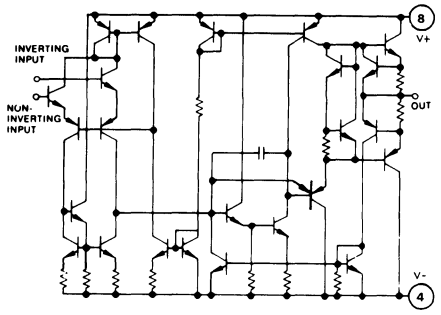
A211

	PKG	OFFSET NULL #1	OFFSET NULL #2	IN−	IN+	OUT	V−	V+	COMP
A211	CN	1	5	2	3	6	4	7	8
	MP 8-LEAD	1	5	2	3	6	4	7	8
	MP 14-LEAD	3	9	4	5	10	6	11	13

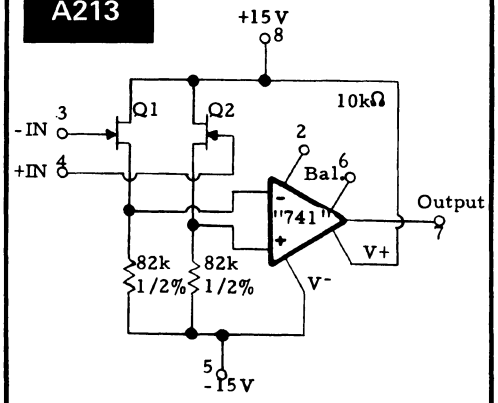


A212

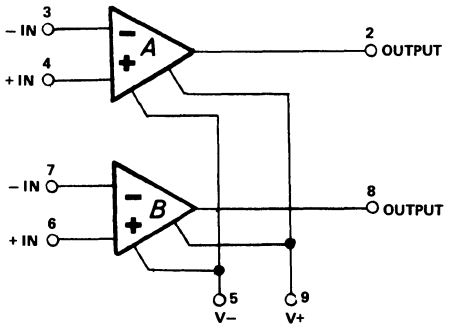
	CKT	INV IN	NON INV IN	OUT
A212	1	1	3	2
	2	5	6	7



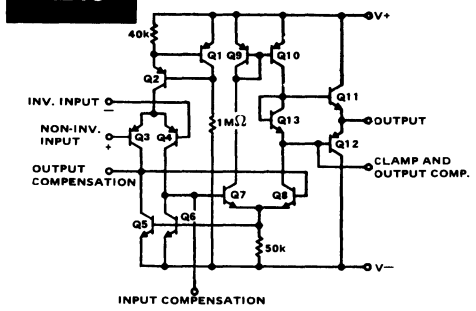
A213



A214



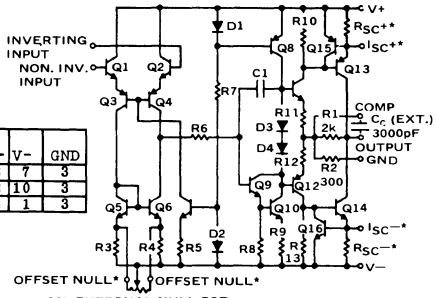
A215



	PKG	INP	NON INV INP	INP COMP	OUTP COMP	CLAMP and OUTP COMP	OUTP	V+	V-
A215	CN	4	2	5	1	10	8	9	3
	FP	3	1	4	2	5	7	8	6
	MP	1	14	2	11	5	7	9	3

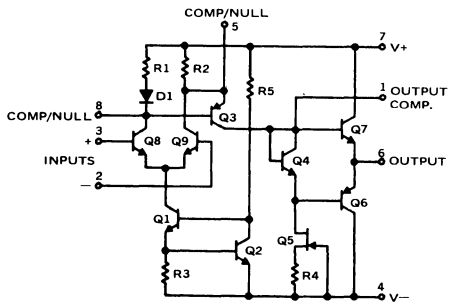
A216

	PKG	INV INP	NON-INV INP	OFFSET NULL 1	OFFSET NULL 2	ISC +	ISC -	COMP	OUTP	V+	V-	GND
A216	TO3	5	6			1	8	4	CASE	2	7	3
	TO8	5	6	7	8	1	9	2	11	12	10	3
	MP	7	8					5	6	4	1	3

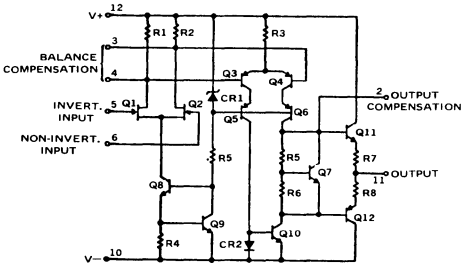


*R_{SC} EXTERNAL ON TO-8 AND TO-3 PACKAGES.
R_{SC} INTERNAL ON "J" PACKAGE.
OFFSET NULL CONNECTIONS AVAILABLE ONLY ON TO-8 "G" PACKAGE.

A217

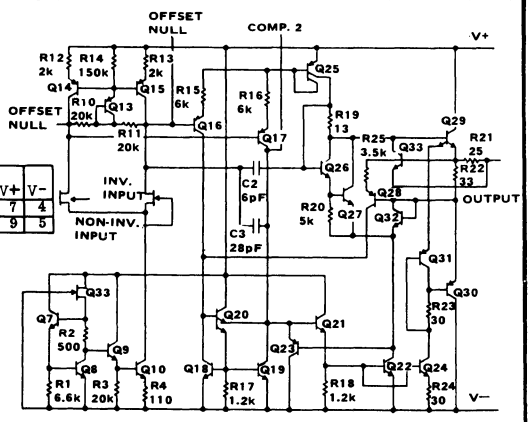


A218

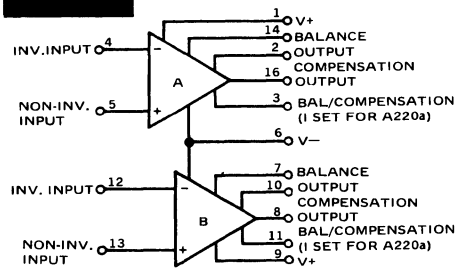


A219

	PKG	INV INP	NON INV INP	OFFSET 1	NULL 2	COMP	OUTP	V+	V-
A219	CN	2	3	1	5	8	6	7	4
	FP	3	12	6	10		8	9	5



A220

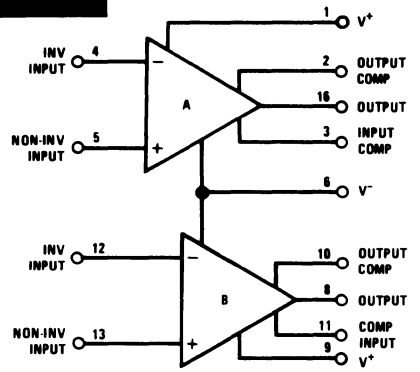


	CKT	INV INP	NON INV INP	BALANCE	OUTP COMP	OUTP	BAL/COMP	V+	V-
A220	1	4	5	14	2	16	3	1	6
	2	12	13	7	10	8	11	9	
A220a	1	4	5	14	3	16	2		6
	2	12	13	7	11	8	10	9	

13. CIRCUIT DRAWINGS

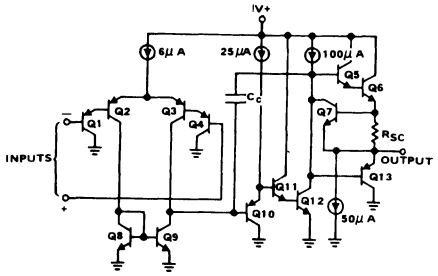
IN DRAWING NUMBER SEQUENCE

A221

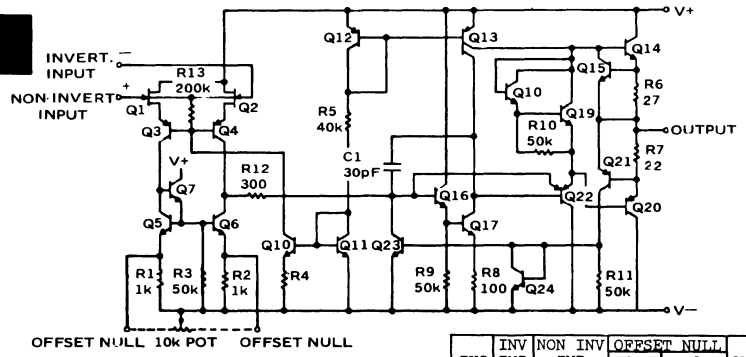


A222

	CKT	INPUTS +	INPUTS -	OUTP	V+	GND
A222	1	3	2	1	4	11
	2	5	6	7		
	3	10	9	8		
	4	12	13	14		

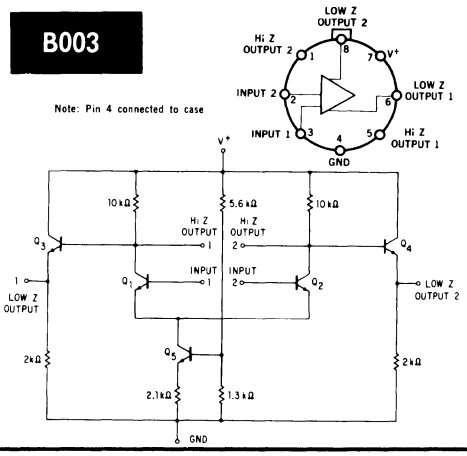


A223

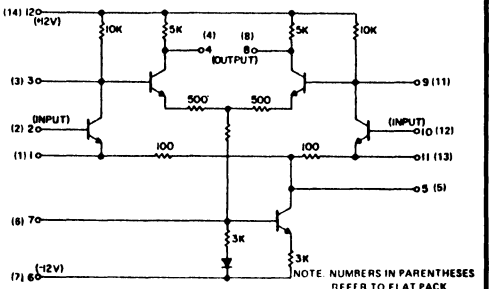


	PKG	INV INP	NON INV INP	OFFSET NULL 1	OFFSET NULL 2	OUTP	V+	V-
A223	CN	2	3	1	5	6	7	4
	FP	10	1	4	7	5	6	3
	MP	3	12	6	10	8	9	5

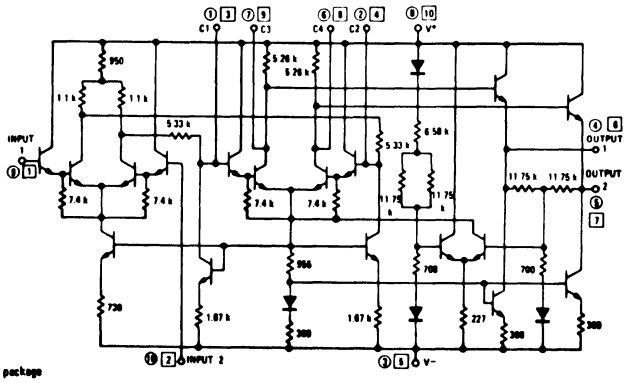
B003



B004

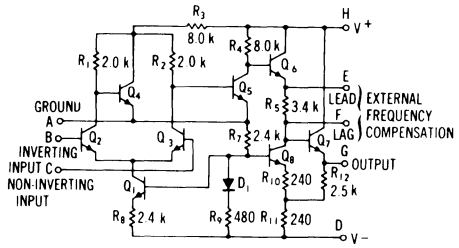


B007



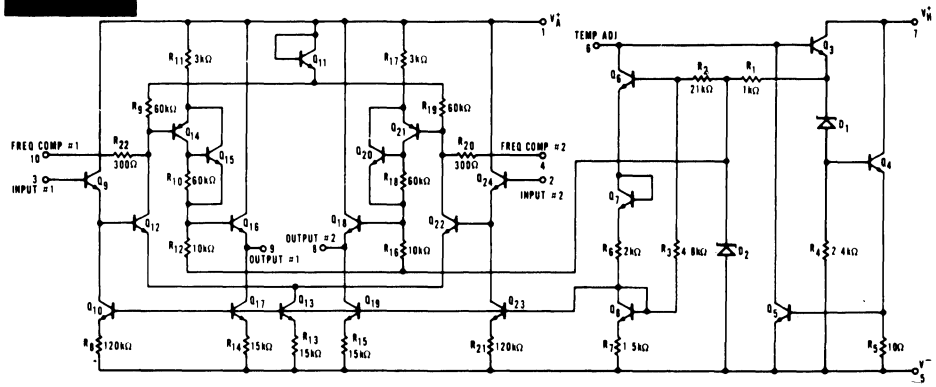
○ contains pin number for metal can package
□ contains pin number for flat package

B010

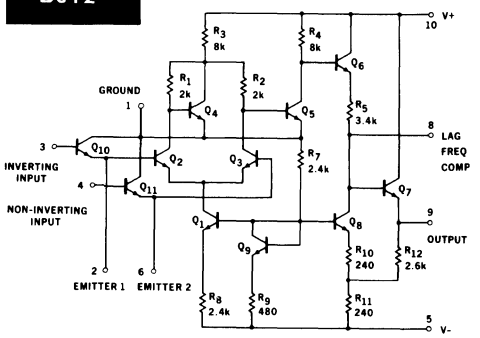


PACKAGE	A	B	C	D	E	F	G
TO99	1	2	3	4	6	7	8
TO91	2	3	4	5	7	8	10
MP	3	4	5	6	10	12	13

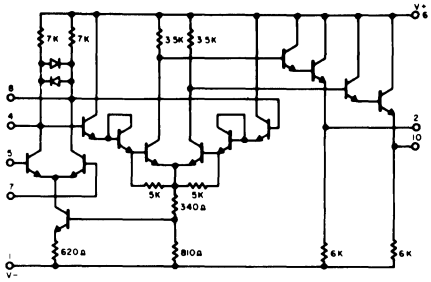
B011



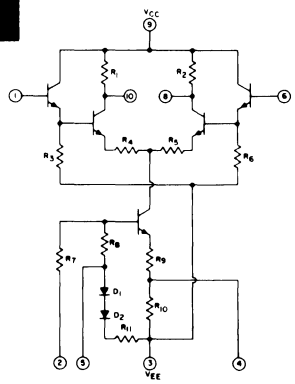
B012



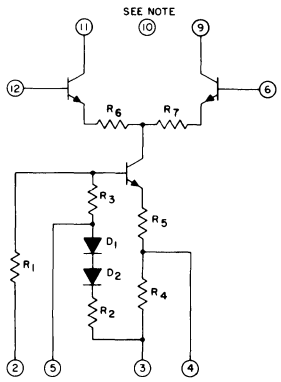
B016



B018

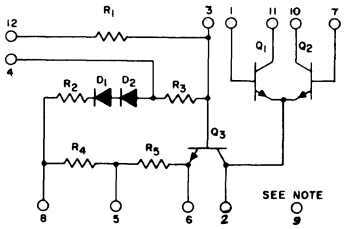


B019



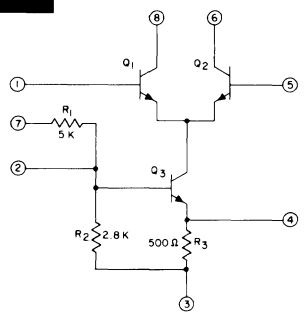
NOTE: Connect Terminal No. 10 to most positive dc supply voltage used for circuit.

B020

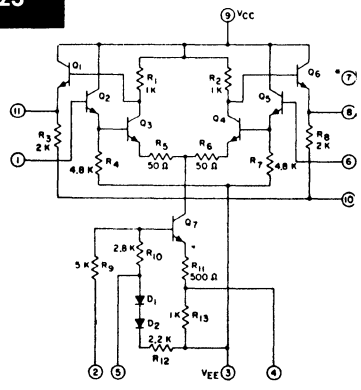


NOTE: Connect Terminal No. 9 to most positive dc supply voltage used for circuit.

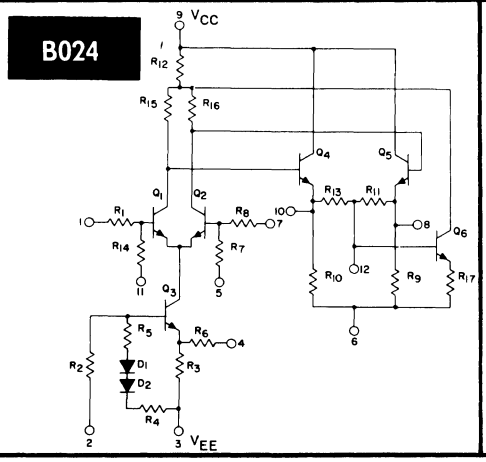
B021



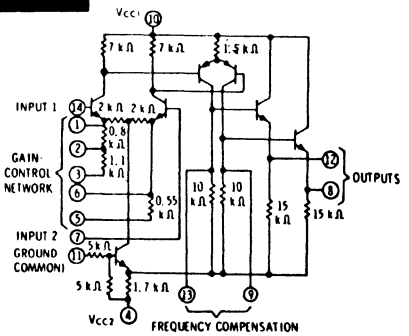
B023



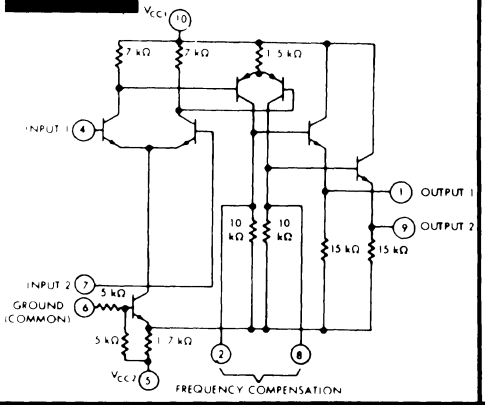
B024



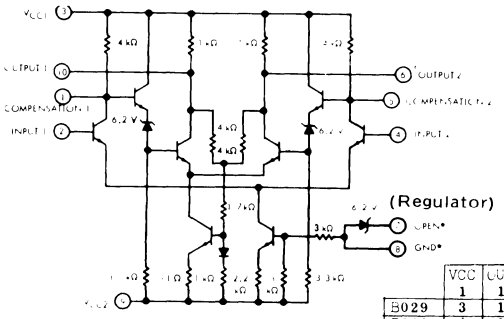
B025



B028

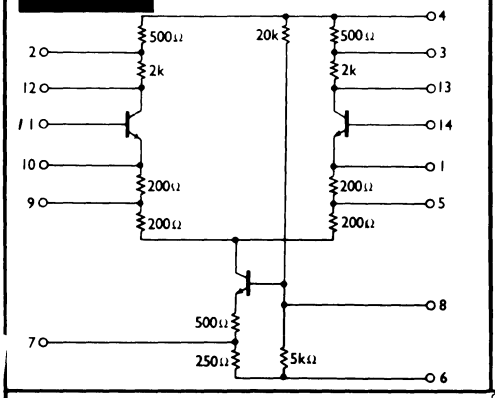


B029

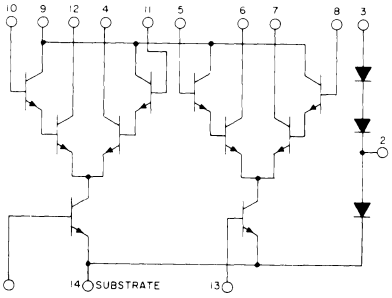


	VCC 1	OUT 1	COMP 1	IN 1	VCC 2	OUT 2	COMP 2	IN 2	OPEN (REG)	GND
B029	3	10	1	2	9	6	5	4	7	8
B029a	4	13	2	3	12	9	6	5	10	11

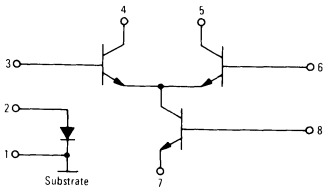
B036



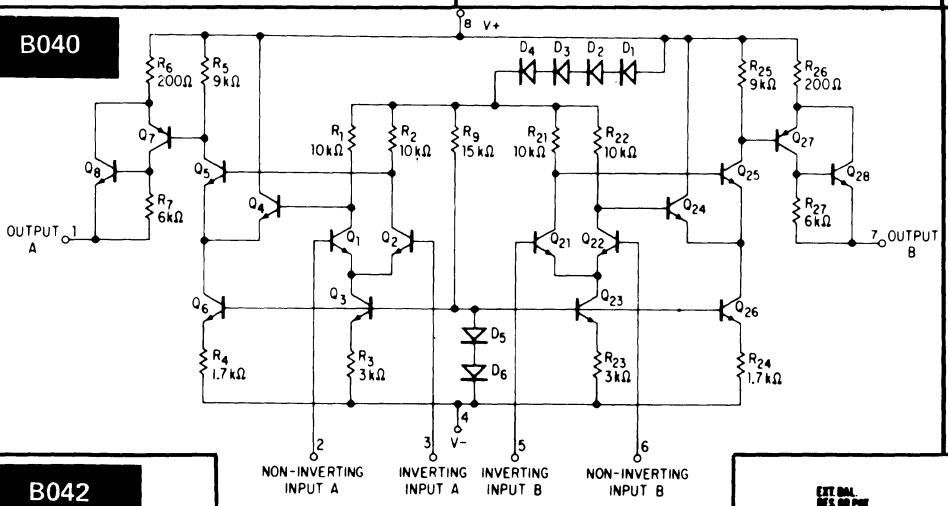
B038



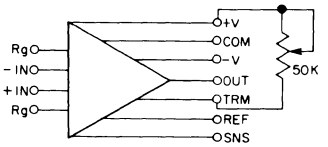
B039



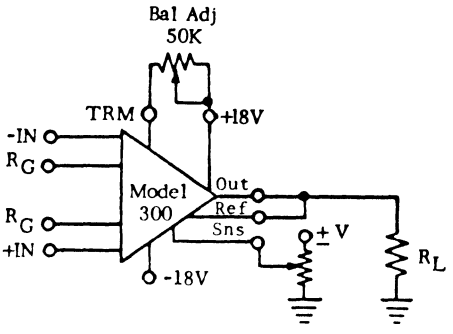
B040



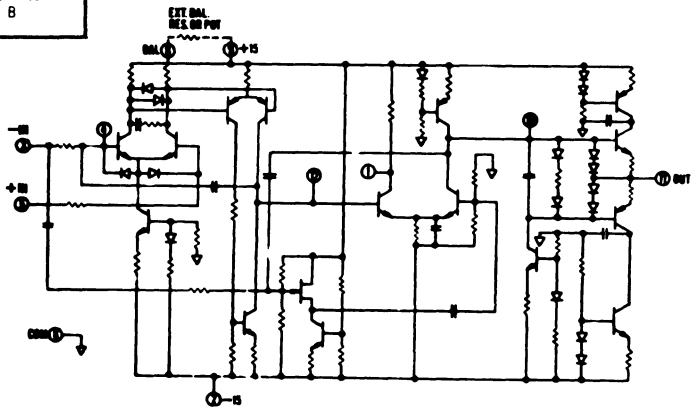
B041



B042



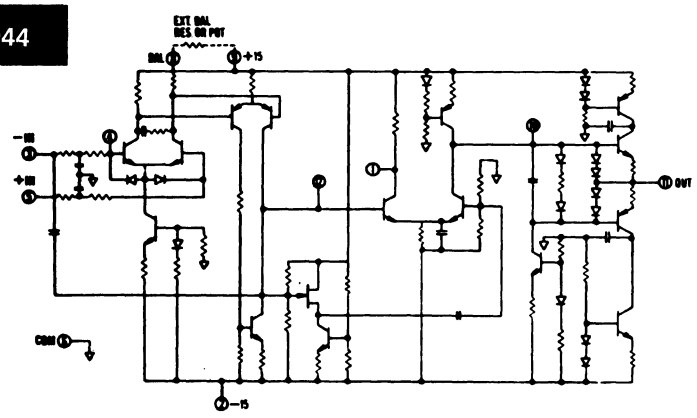
B043



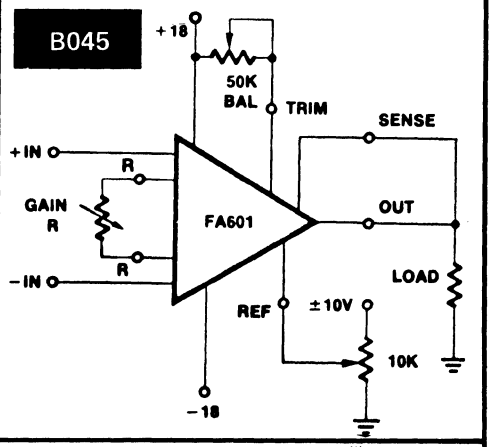
13. CIRCUIT DRAWINGS

IN DRAWING NUMBER SEQUENCE

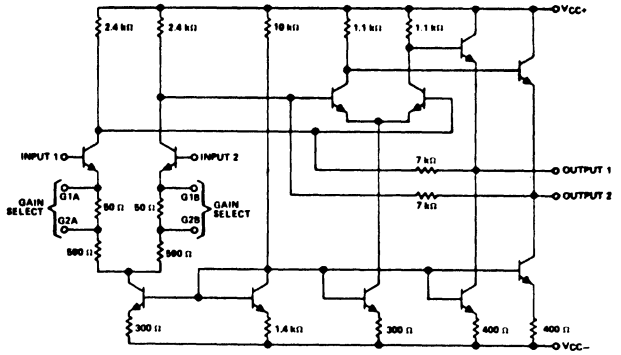
B044



B045

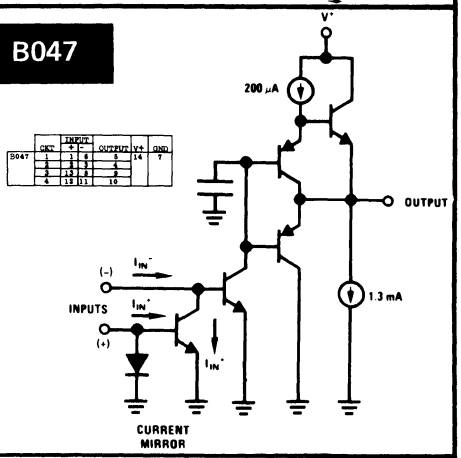


B046

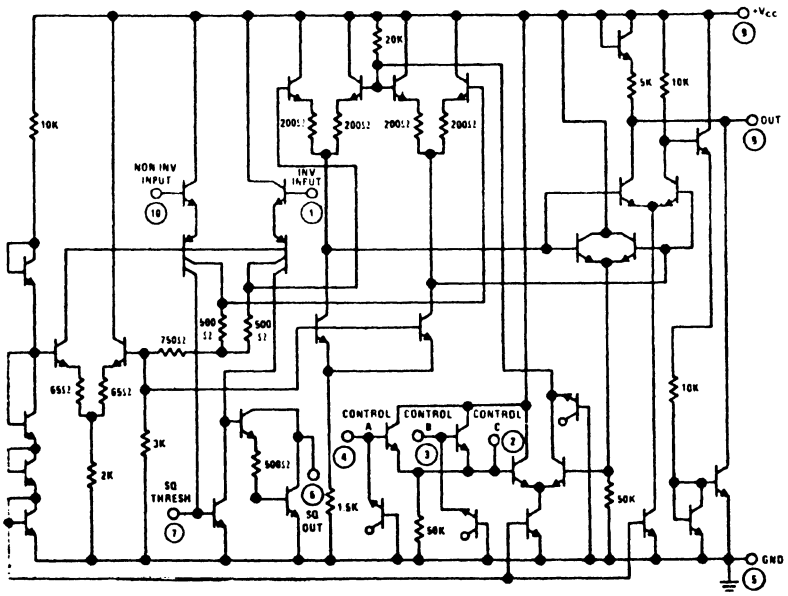


		GAIN SELECT				INPUT		OUTPUT			
	PKG	1A	2A	1B	2B	1	2	1	2	V+	V-
B046	TO99	9	10	4	3	1	2	7	6	8	5
	MP	4	3	11	12	1	14	7	8	10	5

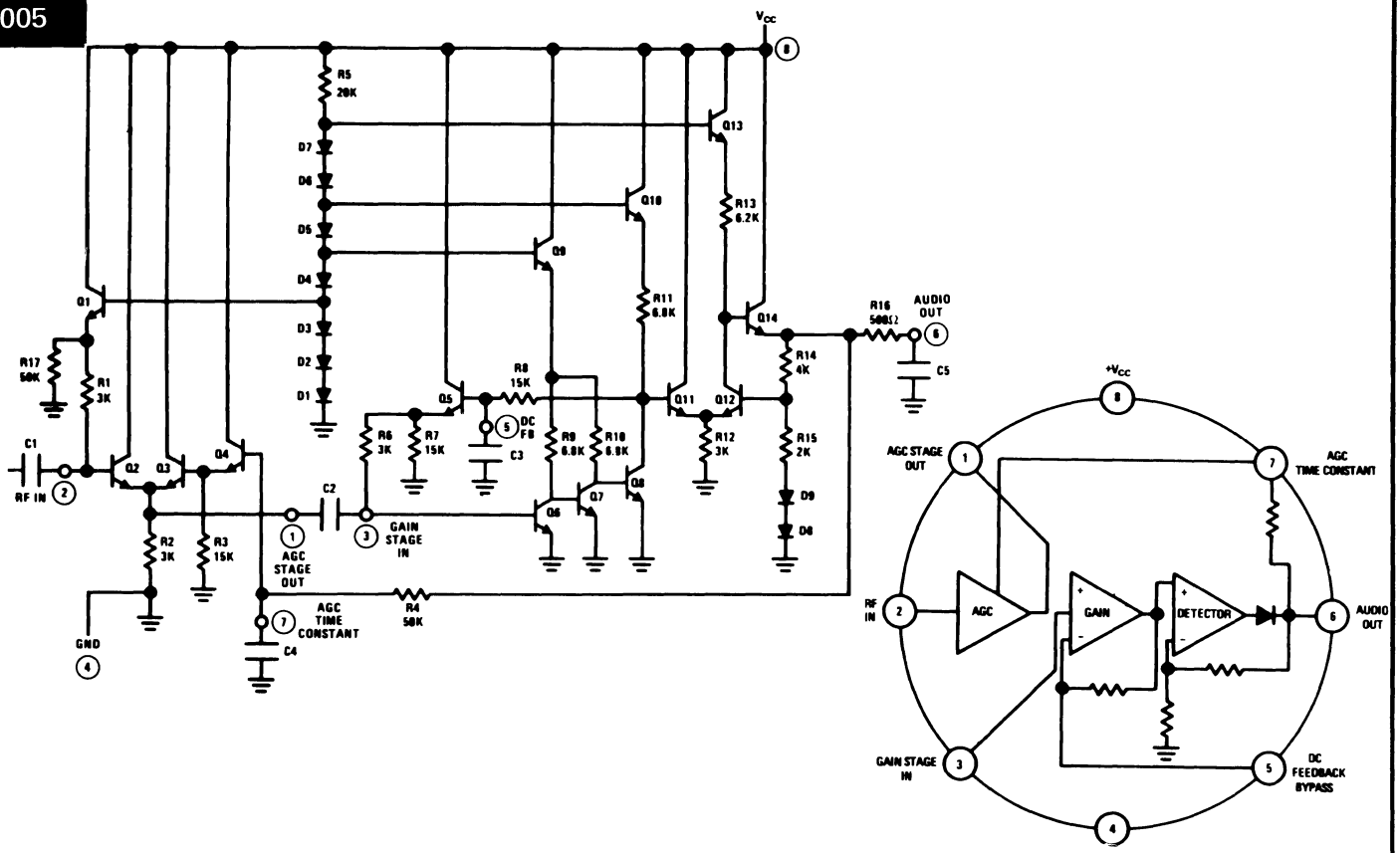
B047



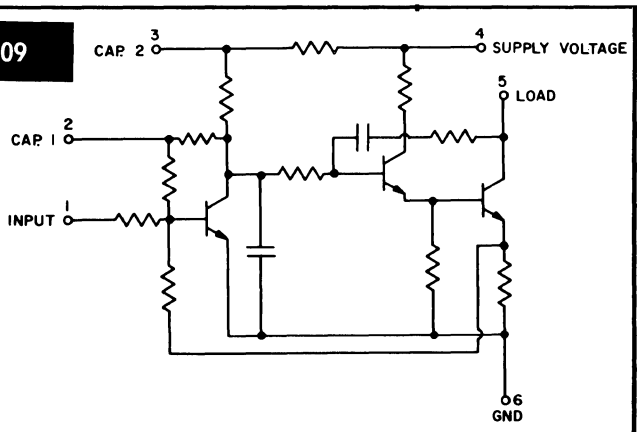
C004



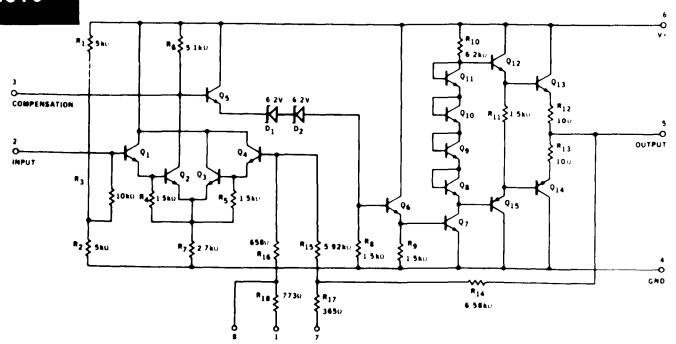
C005



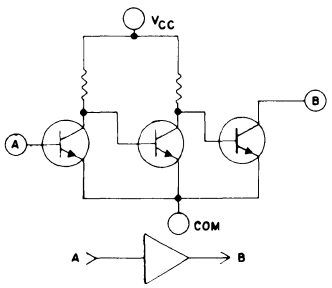
C009



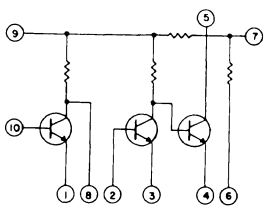
C010



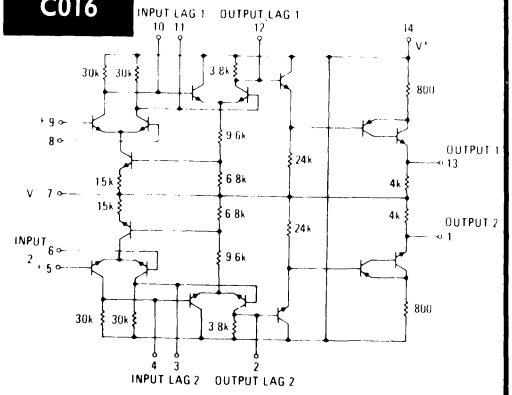
C011



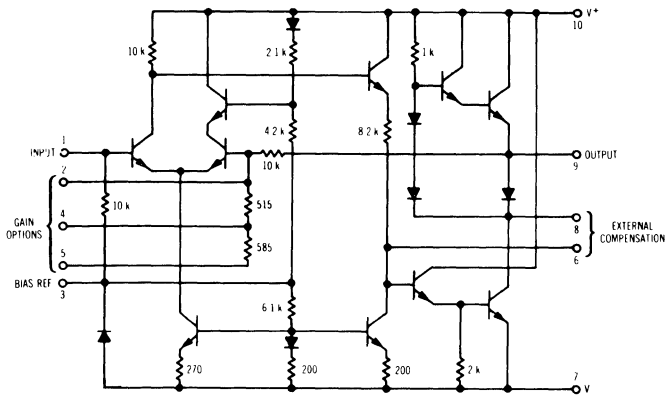
C013



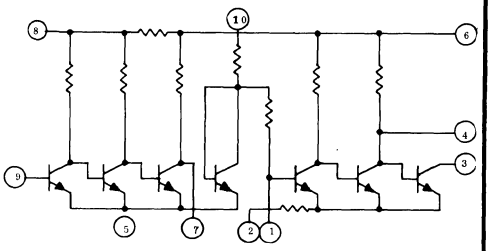
C016



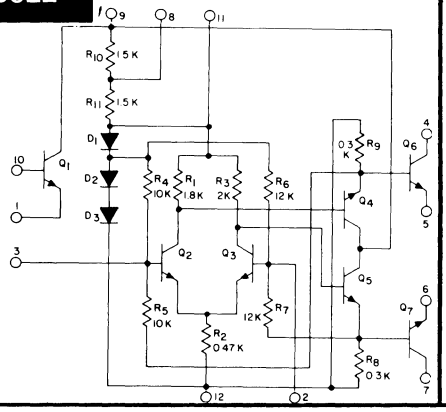
C018



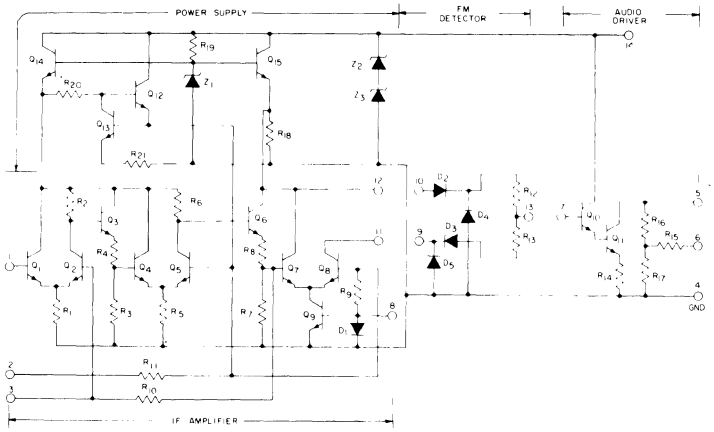
C021



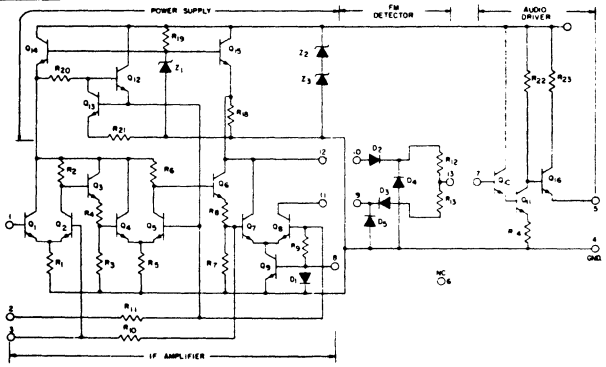
C022



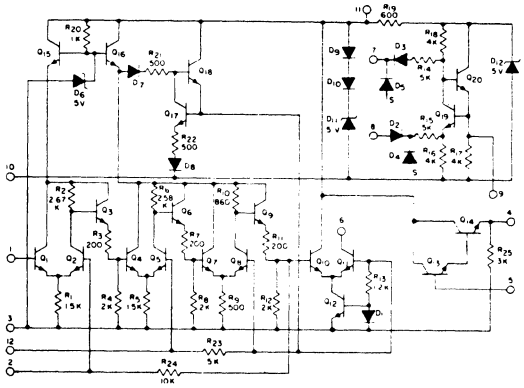
C024



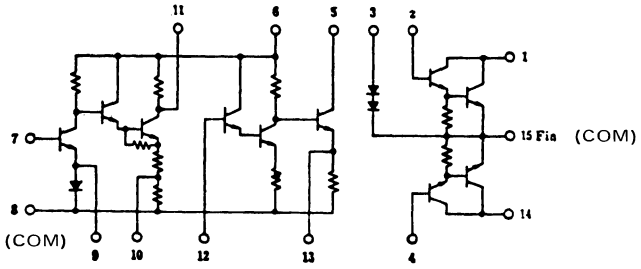
C025



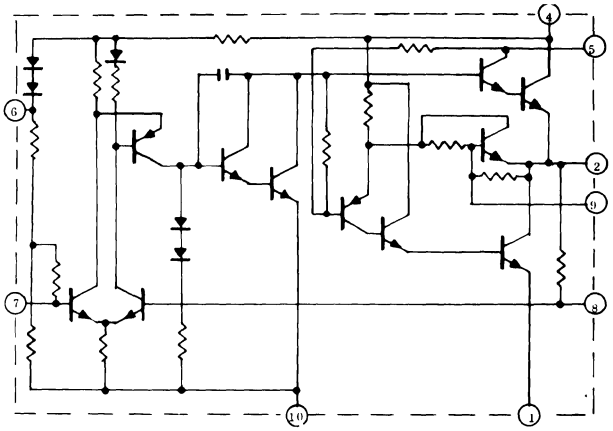
C026



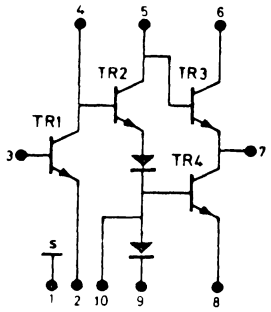
C029



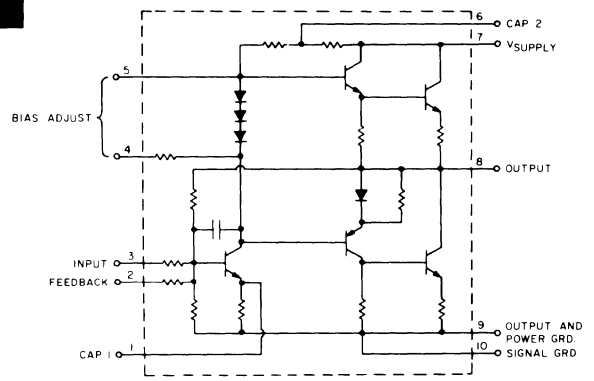
C031



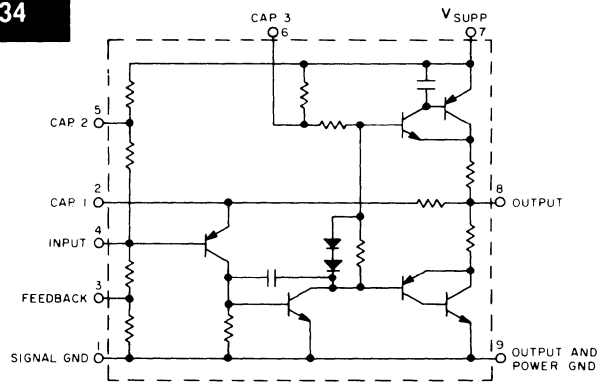
C032



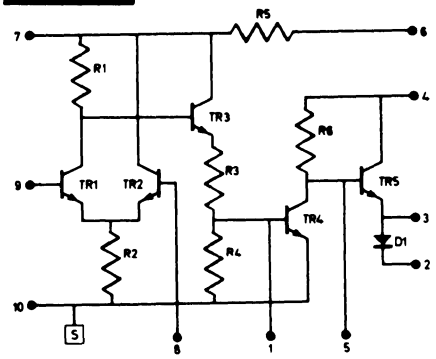
C033



C034

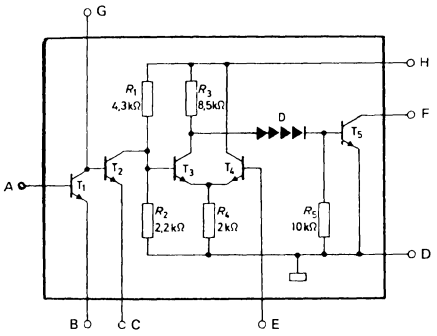


C035

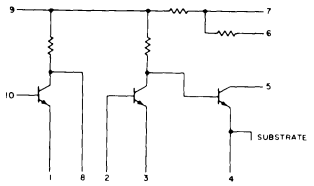


C036

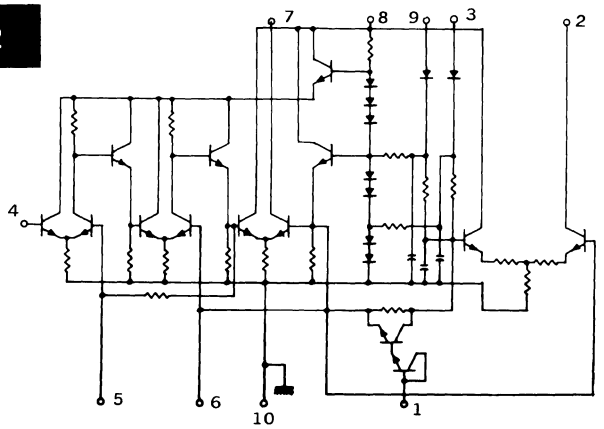
	A	B	C	D	E	F	G	H
C036	7	8	9	2	4	3	10	5
C036a	5	6	7	10	2	1	8	3



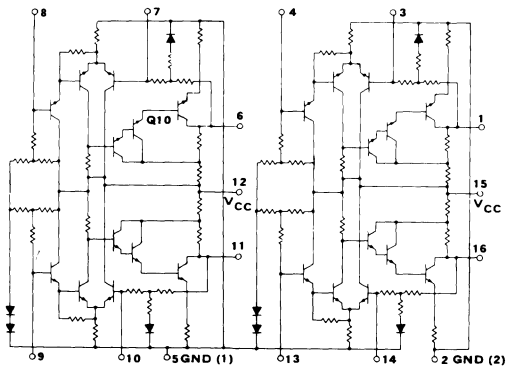
C037



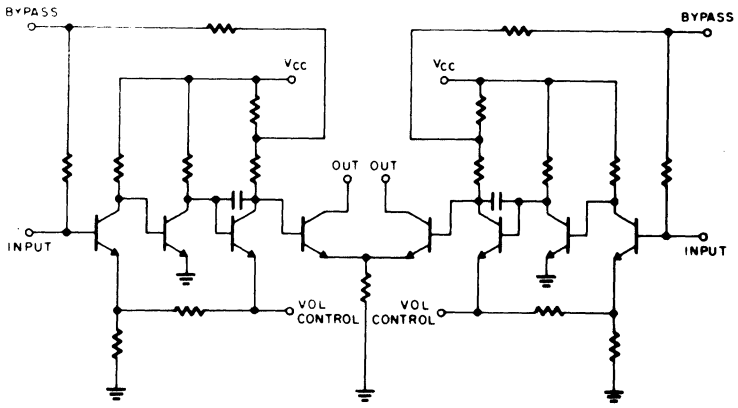
C042



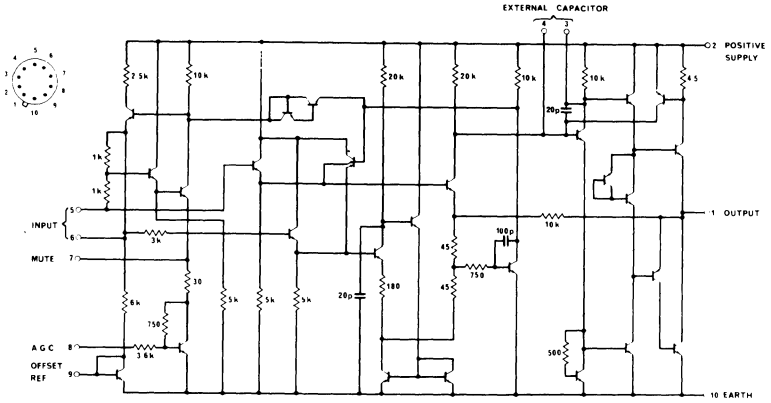
C047



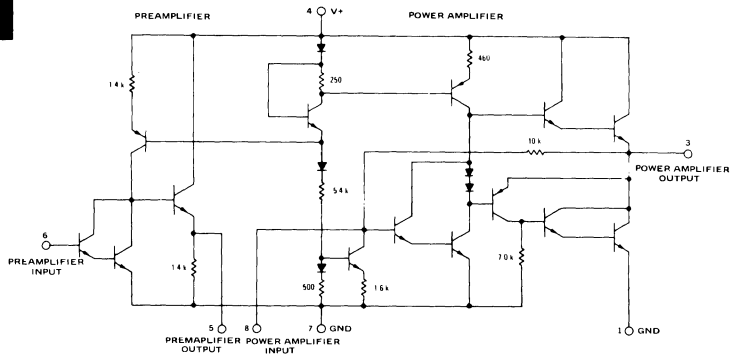
C049



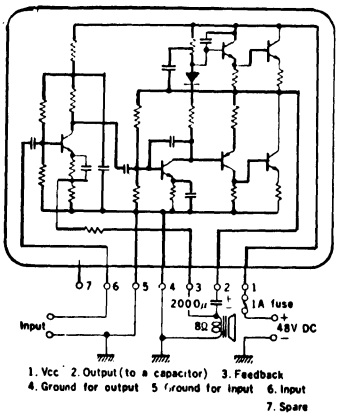
C050



C057

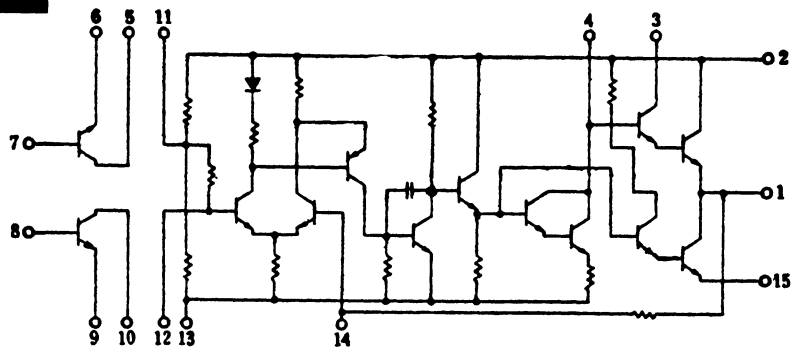


C058

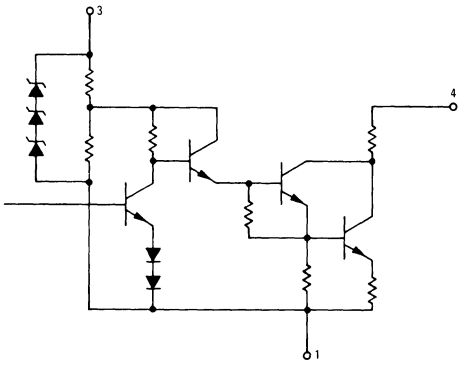


1. Vcc 2. Output (to a capacitor) 3. Feedback
4. Ground for output 5. Ground for input 6. Input
7. Spare

C062



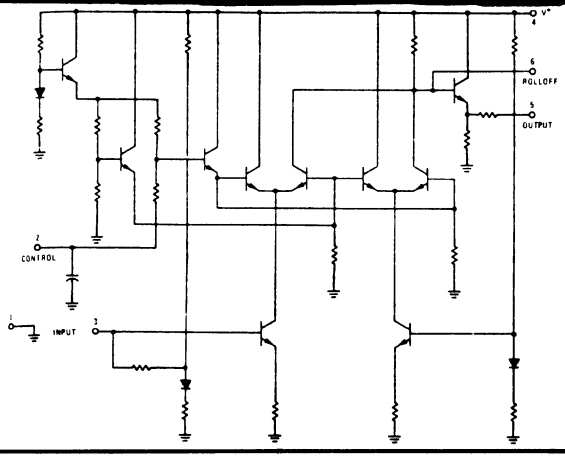
C067



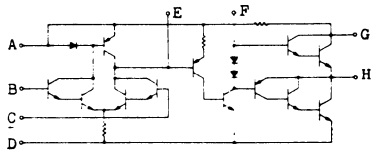
13. CIRCUIT DRAWINGS

IN DRAWING NUMBER SEQUENCE

C069

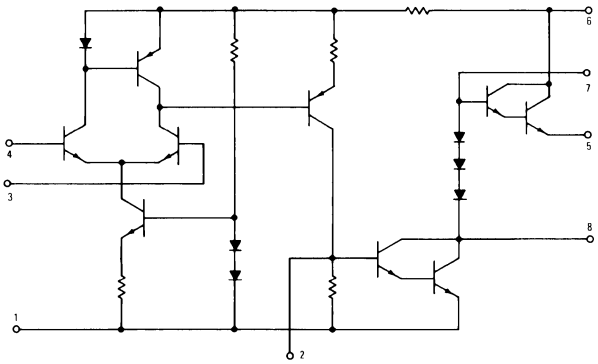


C070

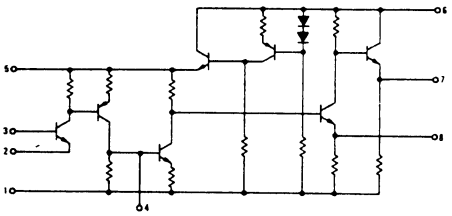


	A	B	C	D	E	F	G	H
C070	5	4	3	1	2	6	7	8
C070a	6	7	8	2,9	1	5	4	3

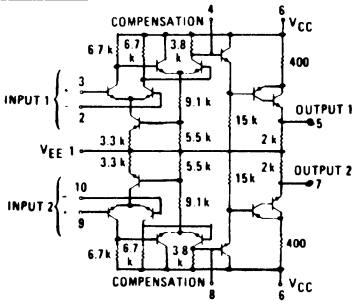
C071



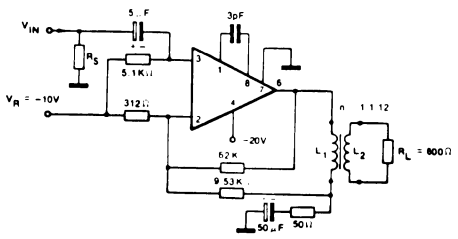
C072



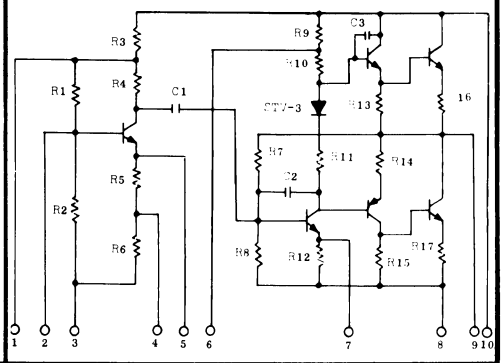
C073



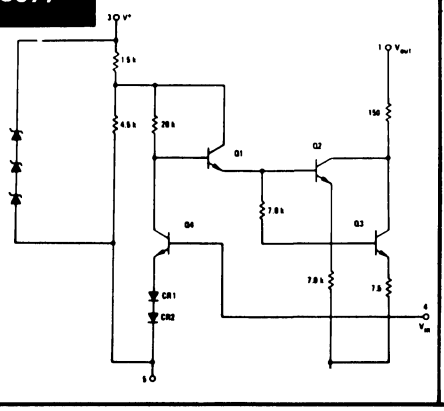
C075



C076

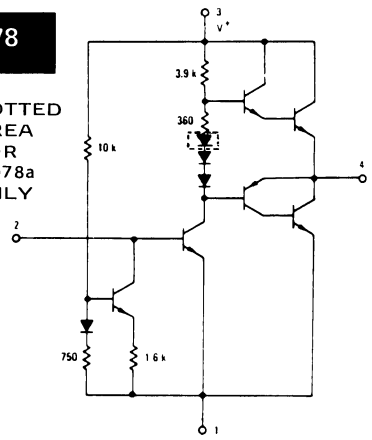


C077

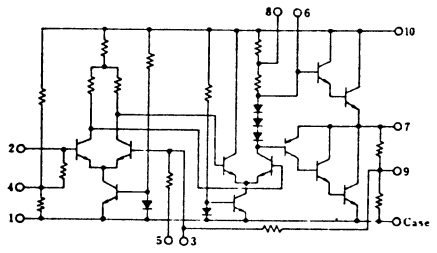


C078

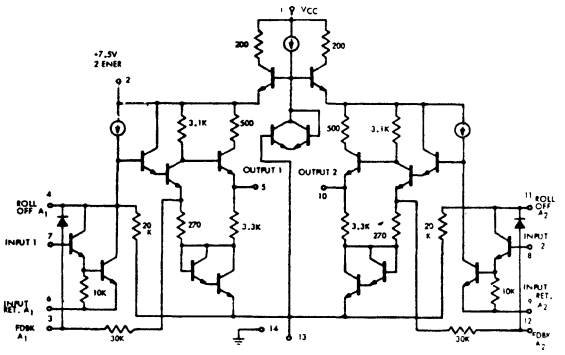
DOTTED AREA FOR CO78a ONLY



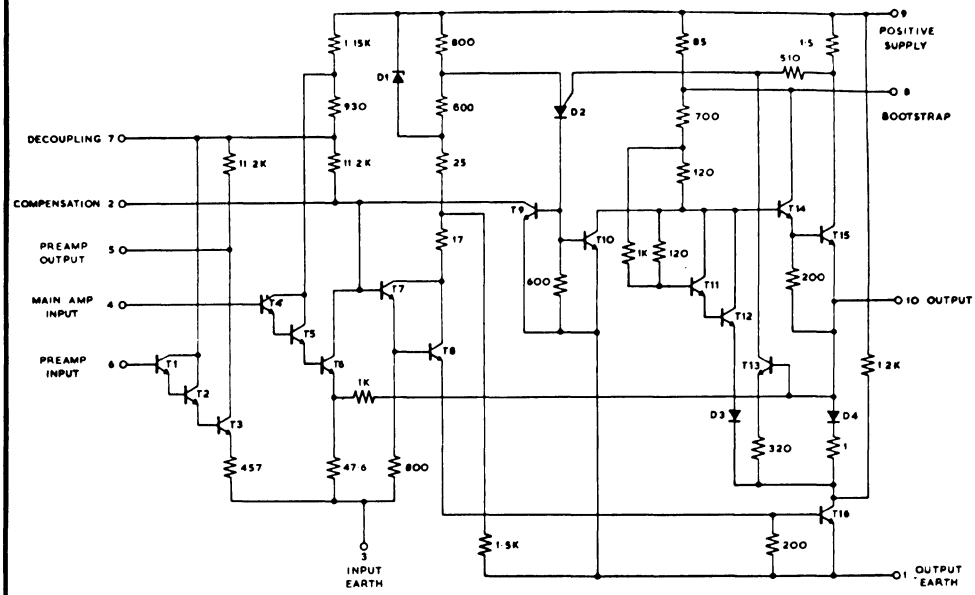
C079



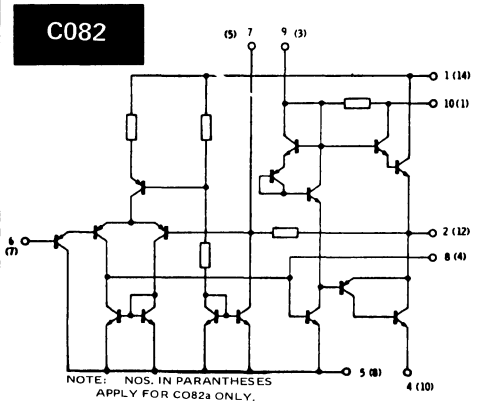
CO80



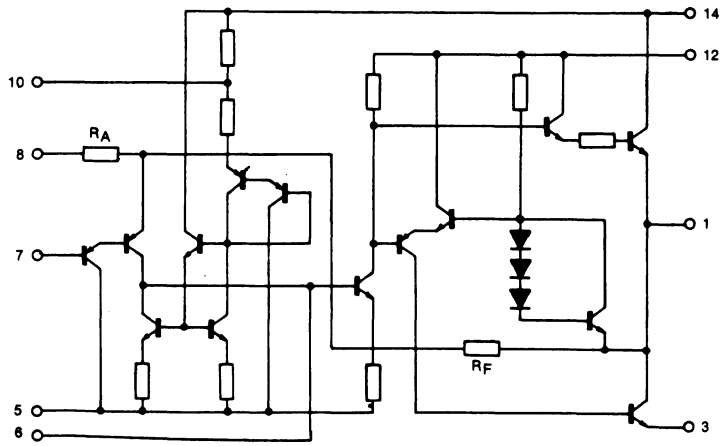
CO81



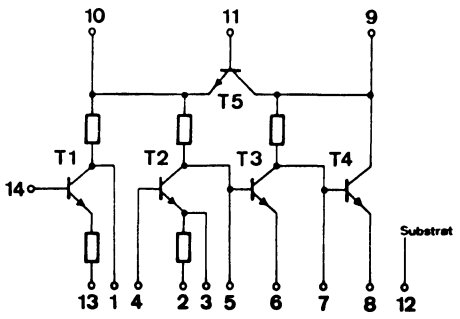
CO82



CO83

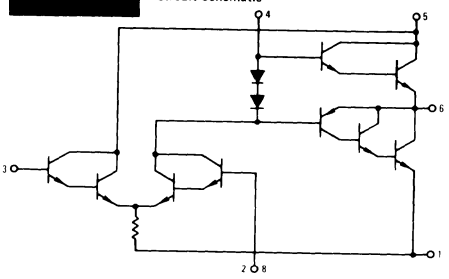


CO84



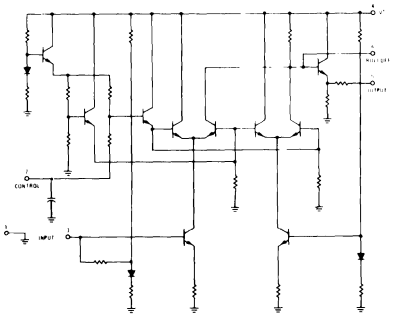
C086

Circuit Schematic

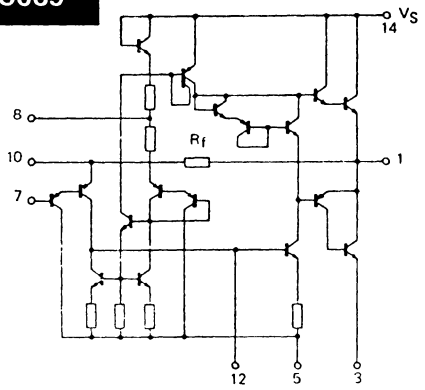


	A	B	C	D	E	F
C086	3	6	4	5	2,8	1
C086a	7	3	5	4	8	1,2,9

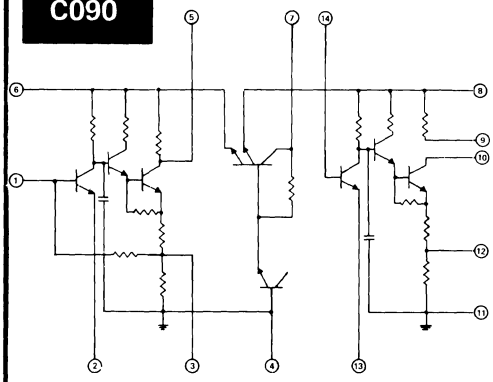
C088



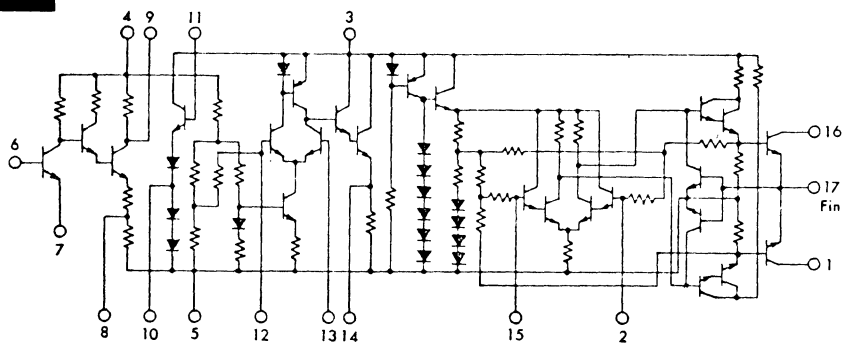
C089



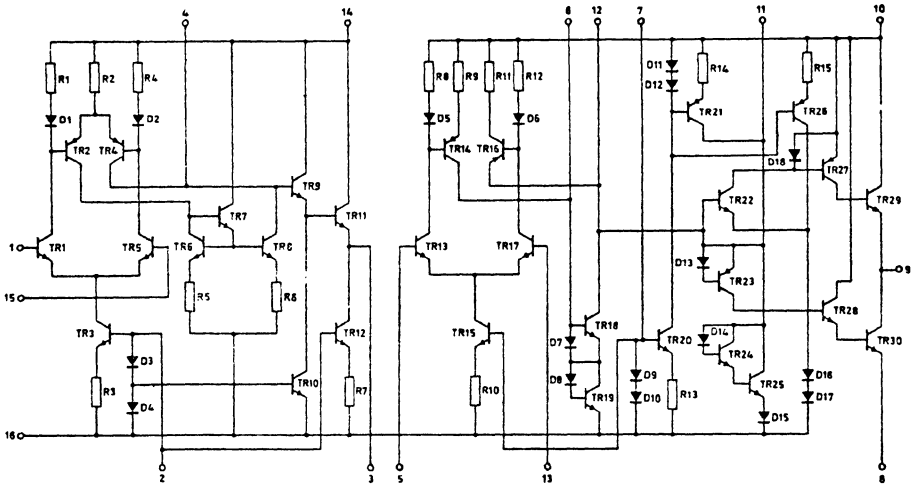
C090



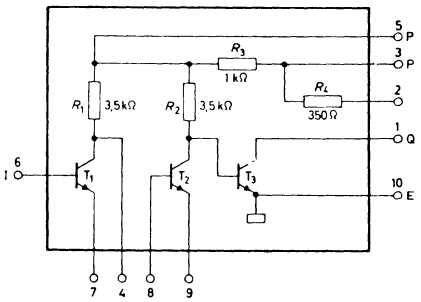
C091



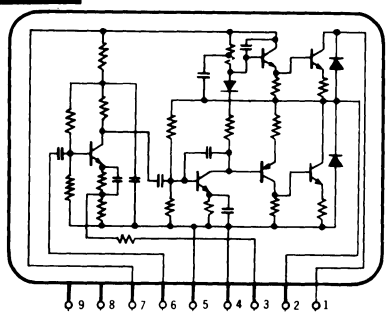
C092



C093

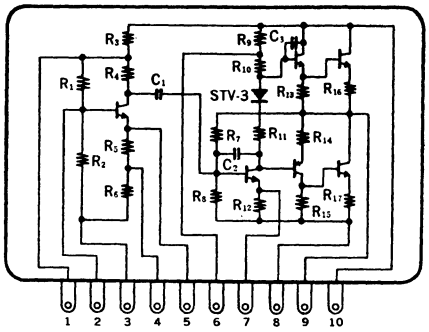


C095



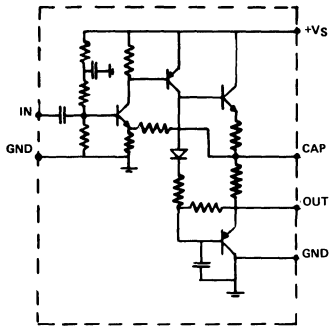
1. Vcc 2. Output (to a capacitor) 3. Feedback 4. Ground for output
5. Ground for input 6. Input 7. Vcc 8. 9. Spare

C096

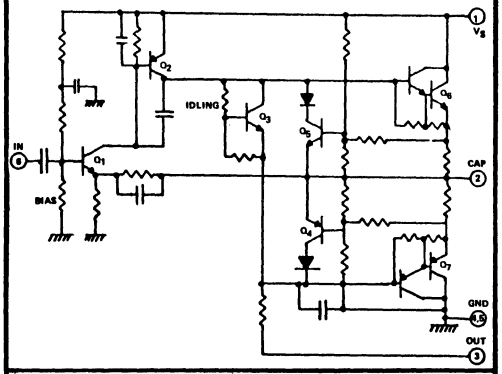


1. To filtering capacitor
2. Input
3. Ground for input
4. To feedback resistor
5. To bypass capacitor
6. To boost trap capacitor
7. To bypass capacitor
8. Ground for output
9. Output to coupling capacitor
10. Vcc

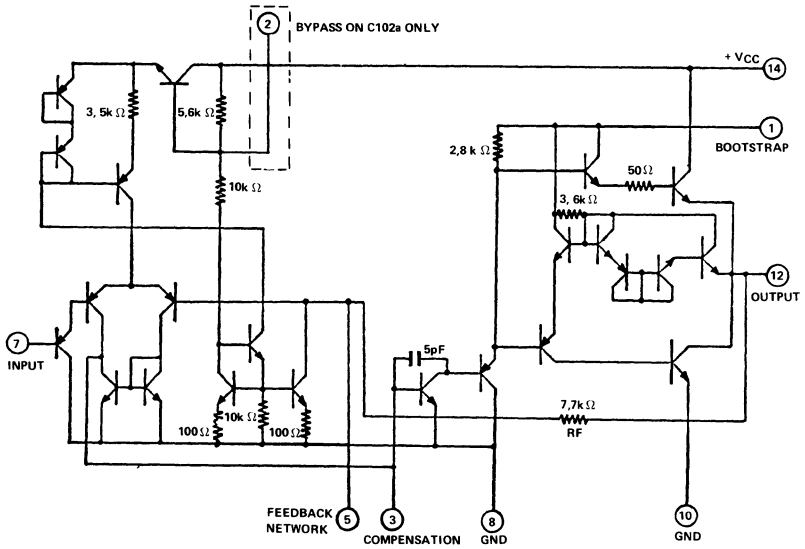
C100



C101

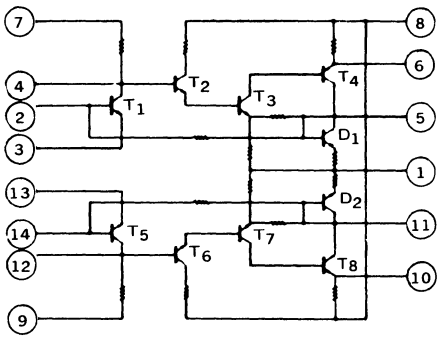


C102

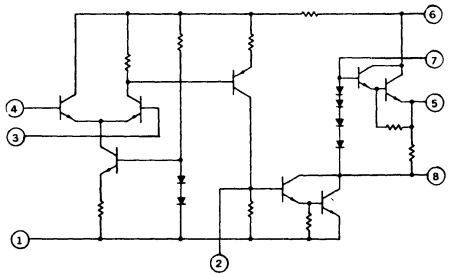


	PKG	BOOTSTRAP	COMPENSATION	FEEDBACK	INPUT	OUTPUT	GND	VCC	NC	BYPASS
C102	MP	1	3	5	7	12	8,10	14	2,4,6,9,11,13	NA
	CN	10	9	7	6	2	5,4	1	8	NA
C102a	MP	1	3	5	7	12	8,10	14	4,6,9,11,13	2

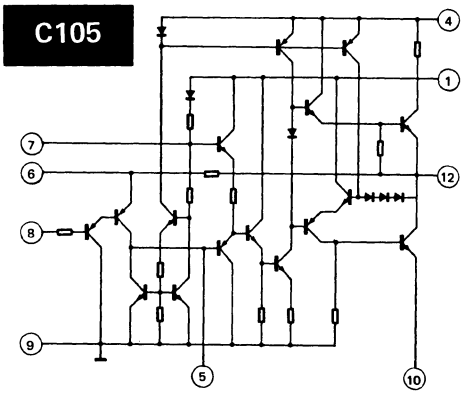
C103



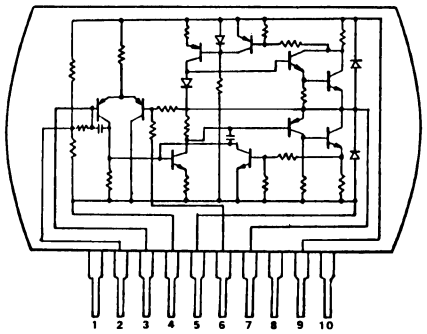
C104



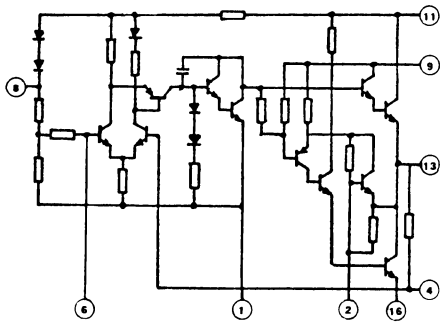
C105



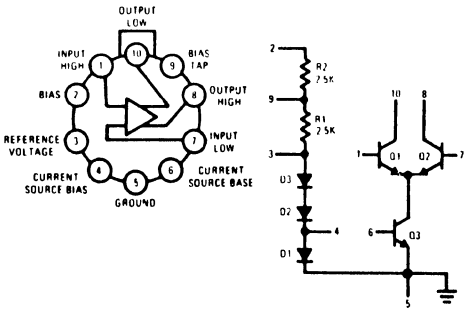
C106



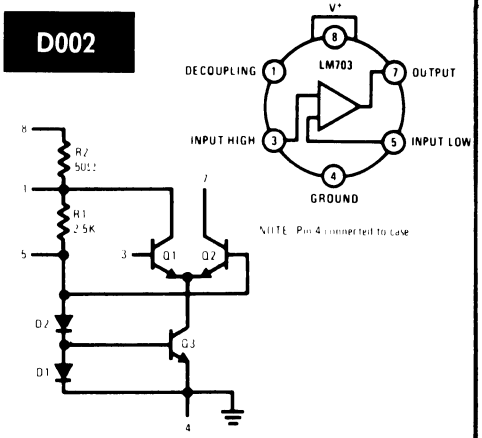
C107



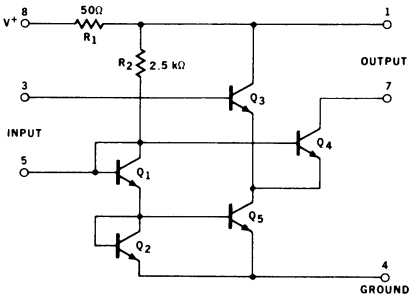
D001



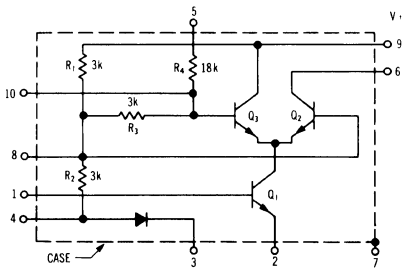
D002



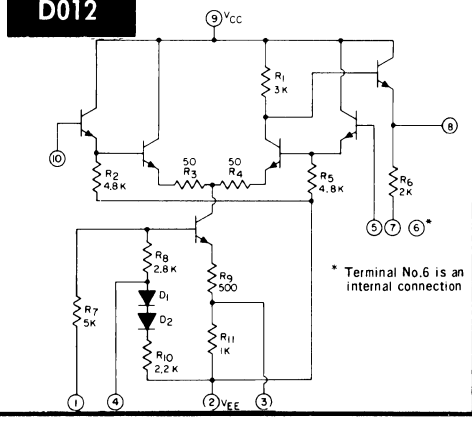
D004



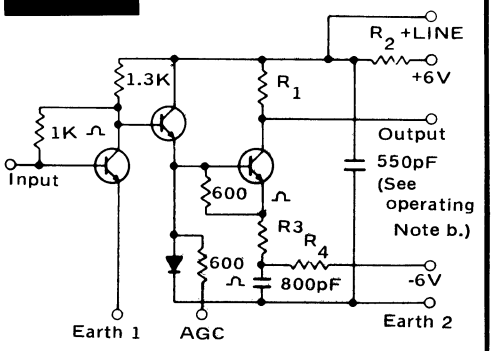
D007



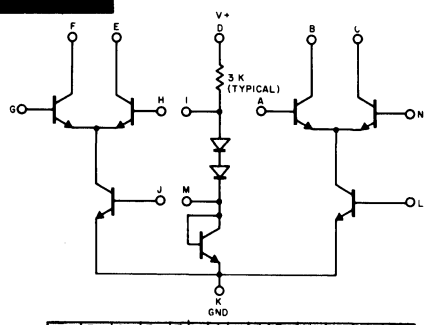
D012



D013

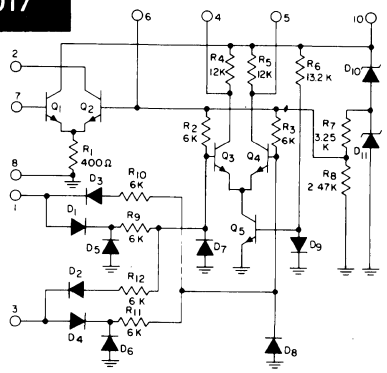


D016



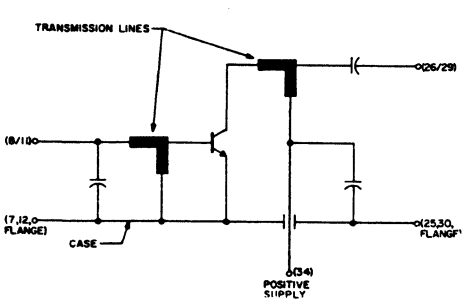
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
TO116	11	12	13	14	1	2	3	4	5	6	7	8	9	10
TO88	1	2	3	4	5	6	7	8	9	10	11	12	13	14

D017

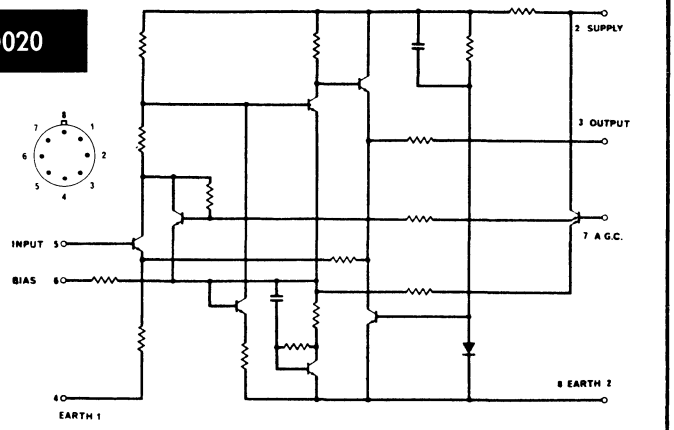


DIODES D5 AND D6 ACT AS CAPACITORS AND ARE USED TO BALANCE THE DETECTOR SUBSTRATE CAPACITANCES

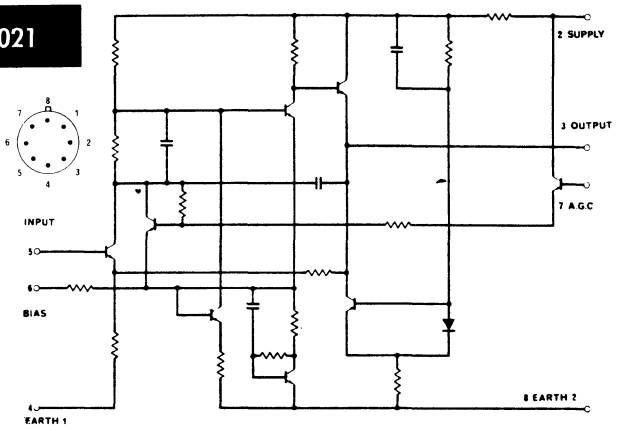
D019



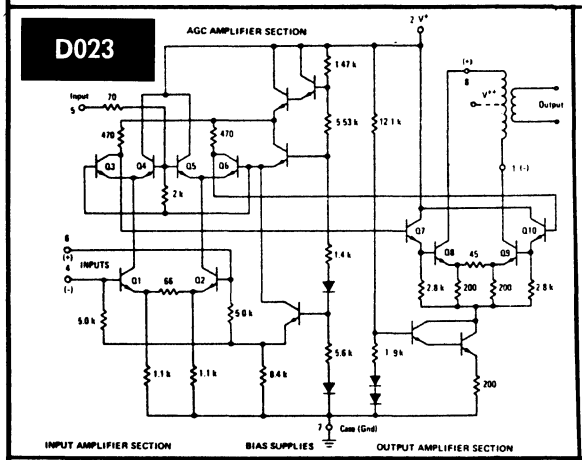
D020



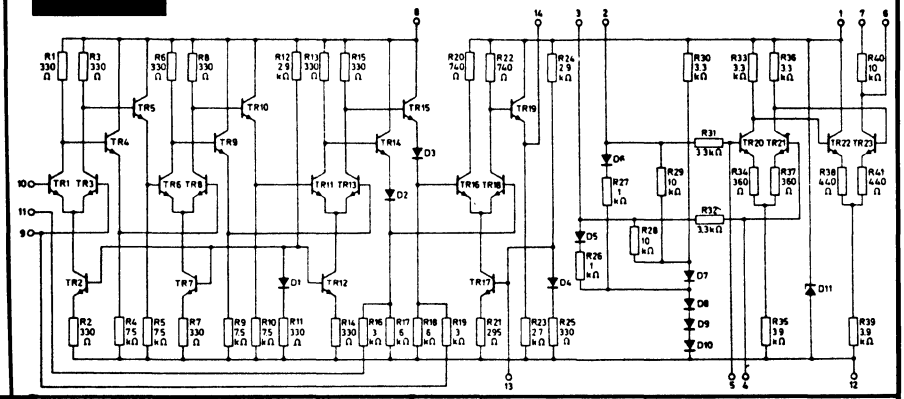
D021



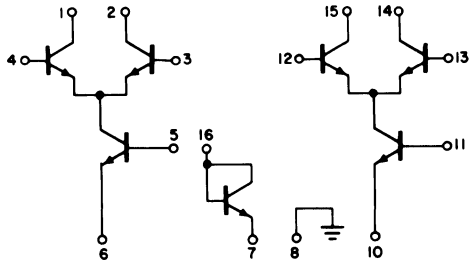
D023



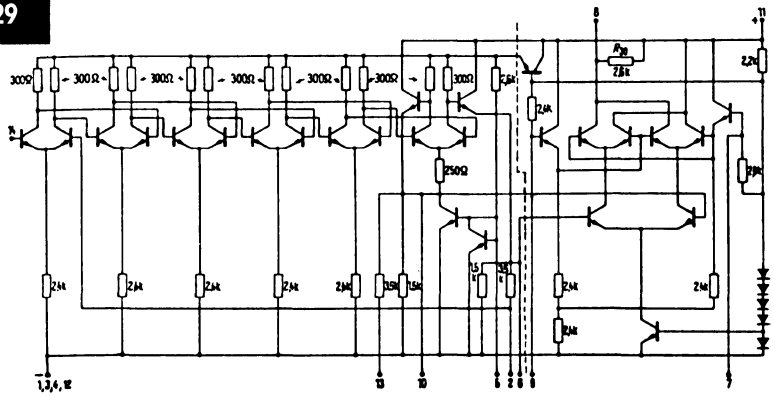
D025



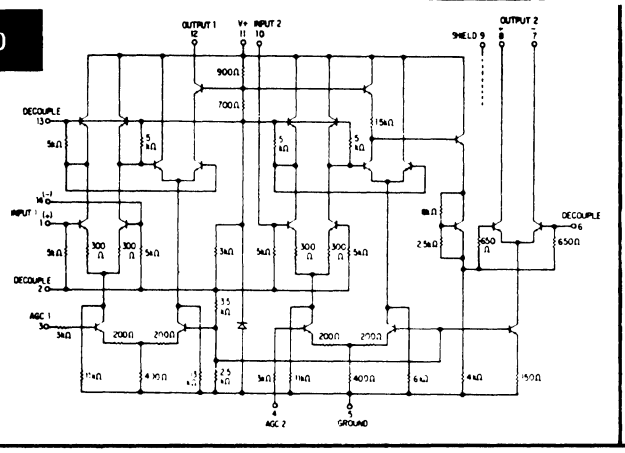
D026



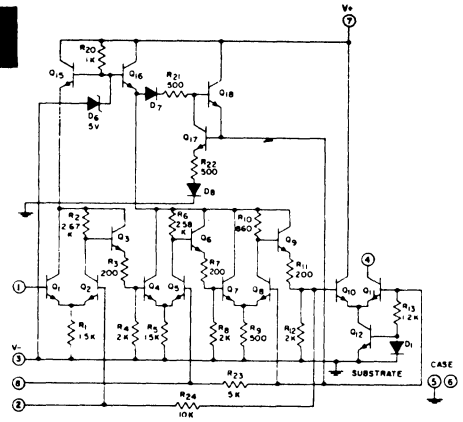
D029



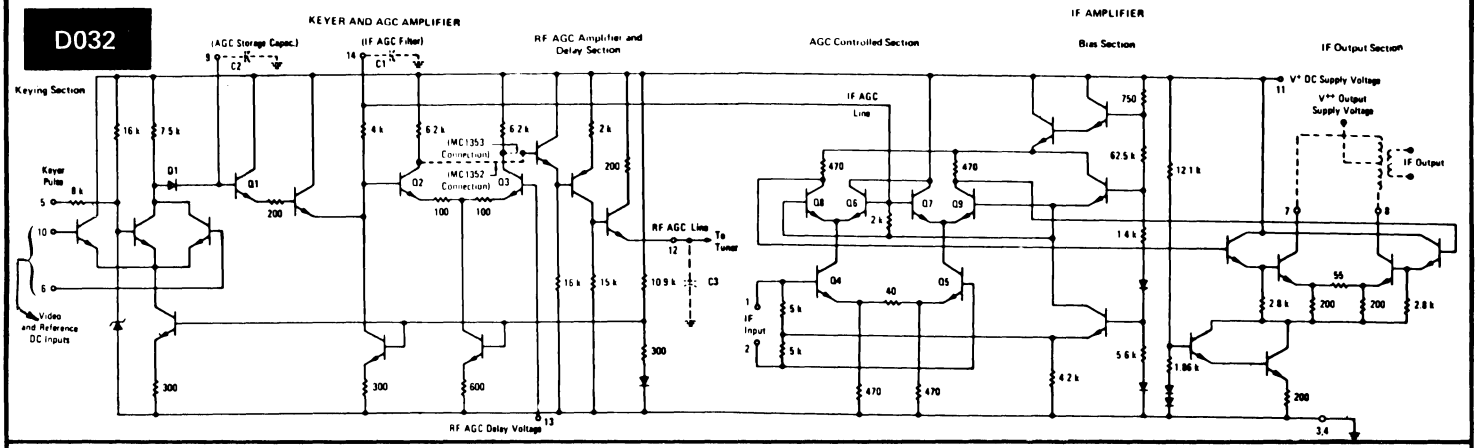
D030



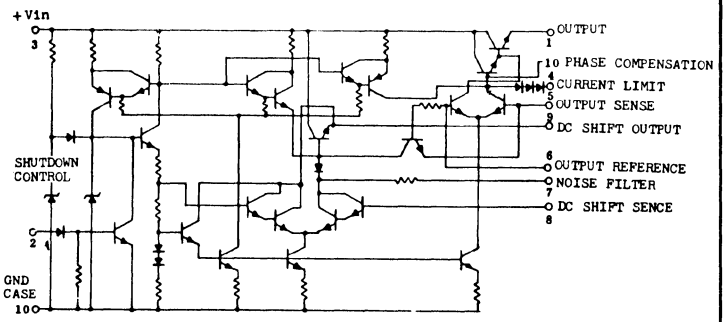
D031



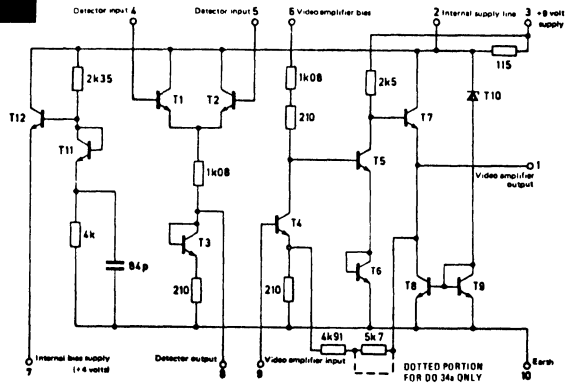
D032



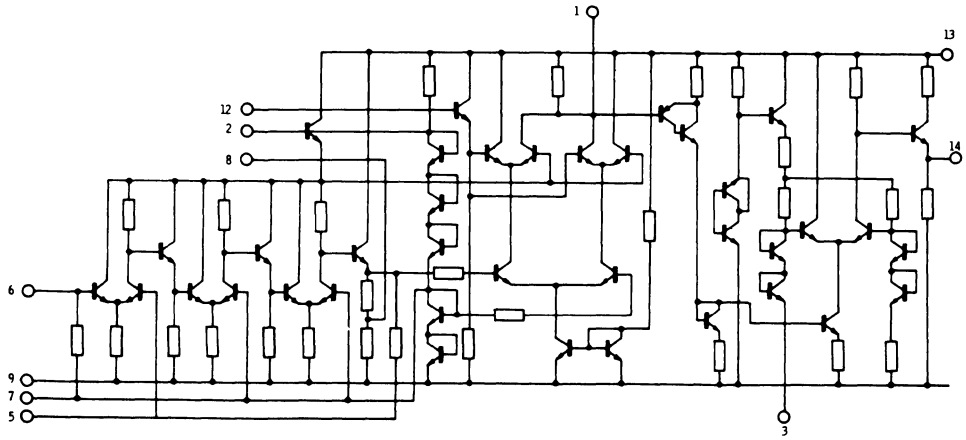
D033



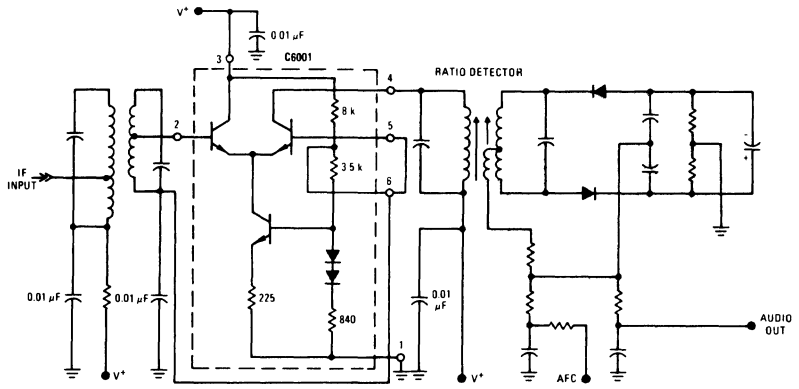
D034



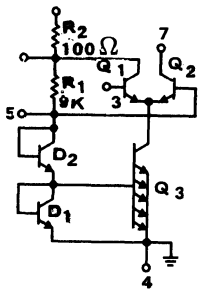
D035



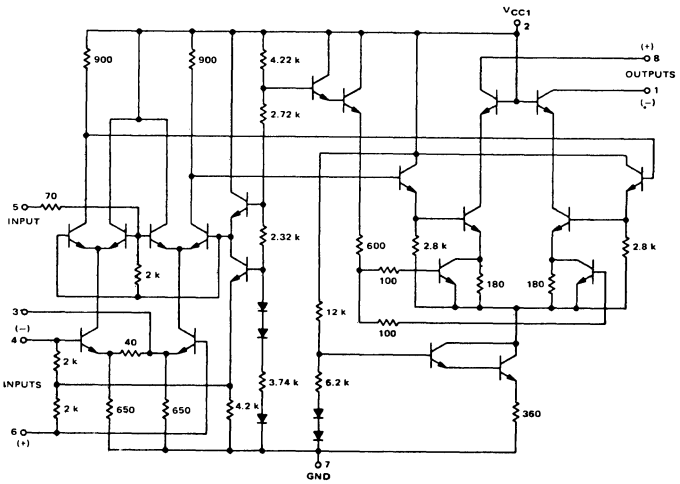
D036



D039

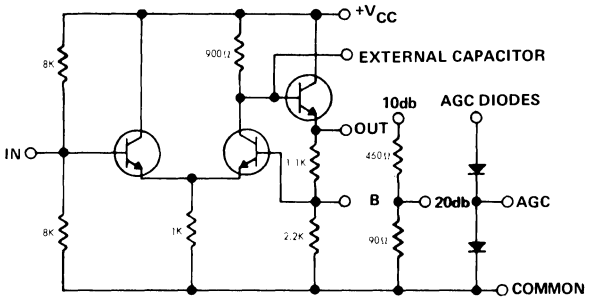


D040



E005

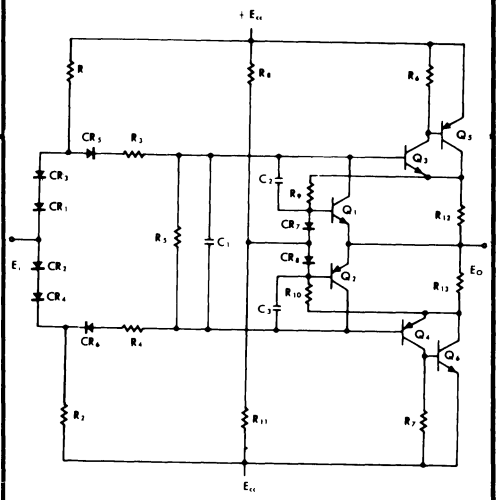
		NC
CAN PKG	CN	
FLAT PACK		2,6,9,13



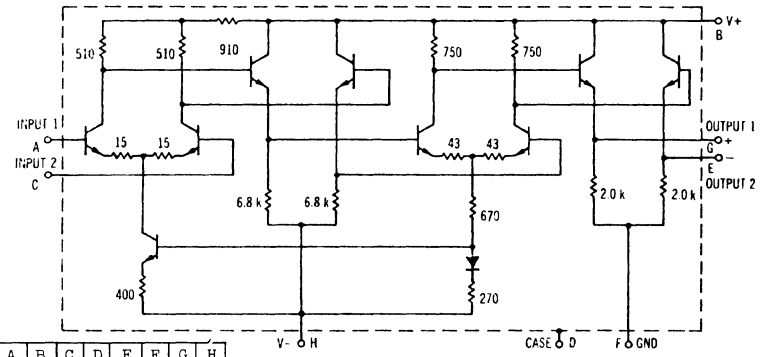
		AGC	AGC DIODES	FEEDBACK	EXTERNAL CAPACITOR	OUTPUT	+ VCC	INPUT	10DB	20 DB	GND
CAN PKG	CN	1	2	3	4	5	6	7	8	9	10
FLAT PACK		1	3	4	5	7	8	10	11	12	14

E006

	PKG	E_1	E_0	$+E_{CC}$	$-E_{CC}$
E006	MP	1	4	3	6
E006a	MP	3	8	10	6

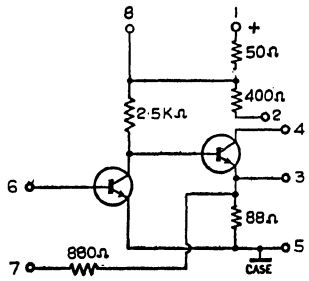


E008

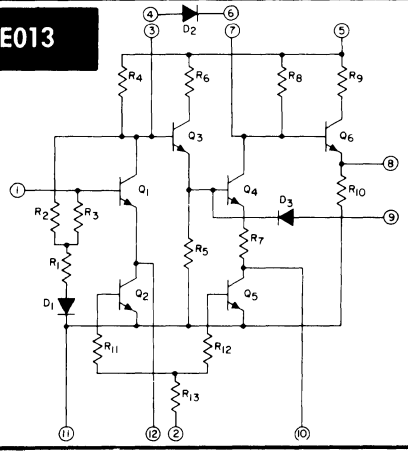


	PKG	A	B	C	D	E	F	G	H
E008	FP	1	3	5		6	7	9	10
E008a	CN	1	2	3	4	5	6	7	8
	FP	10	9	1		4	5	7	8

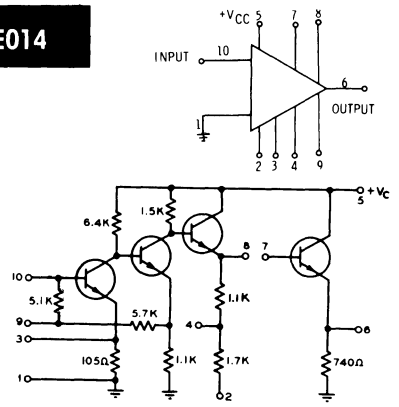
E012



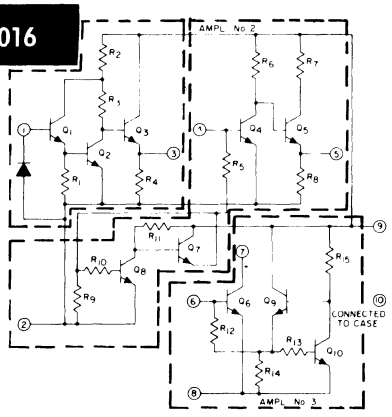
E013



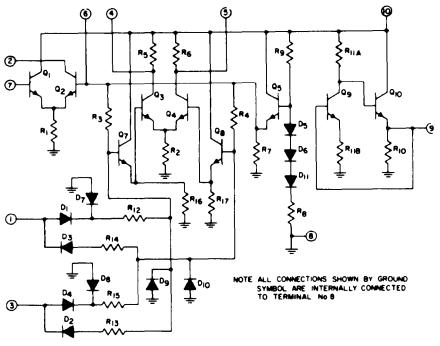
E014



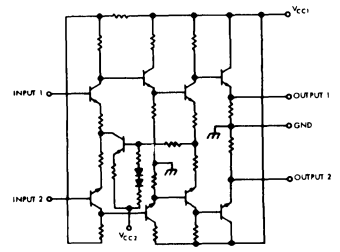
E016



E018

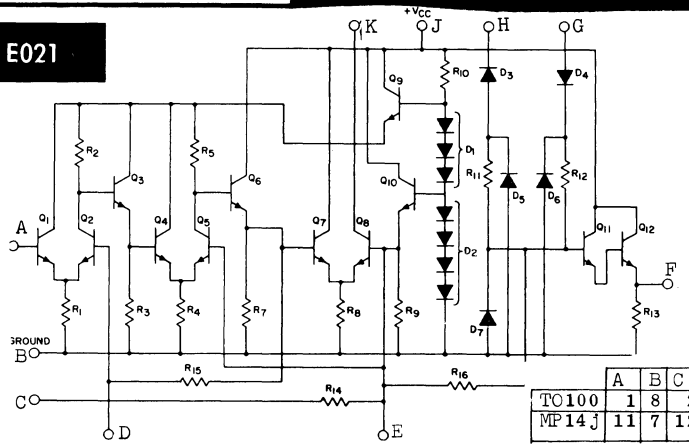


E019



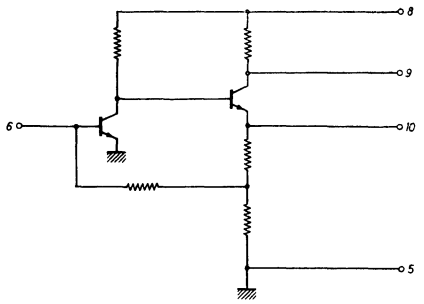
	I_{N1}	I_{N2}	V_{CC1}	V_{CC2}	O_{UT1}	O_{UT2}	G_{ND}
TO89 & TO91	1	5	3	10	9	6	7
CN & TO76	1	3	2	8	7	5	6

E021

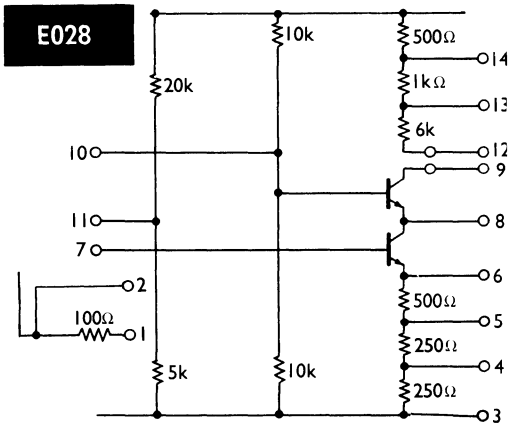


	A	B	C	D	E	F	G	H	J	K
TO100	1	8	2	3	4	9	7	6	10	5
MP14J	11	7	12	13	2	9	6	5	10	3

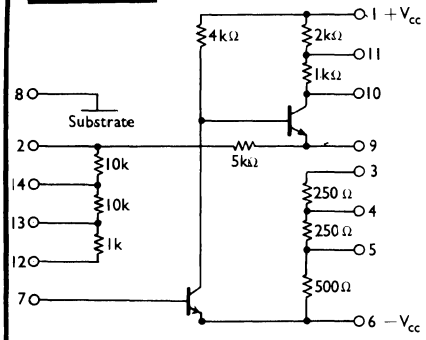
E022



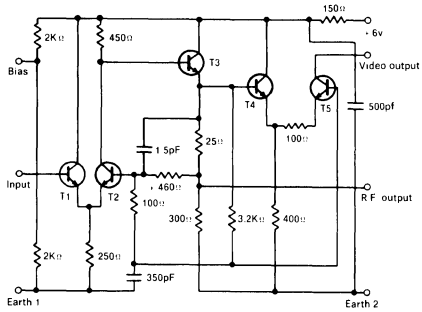
E028



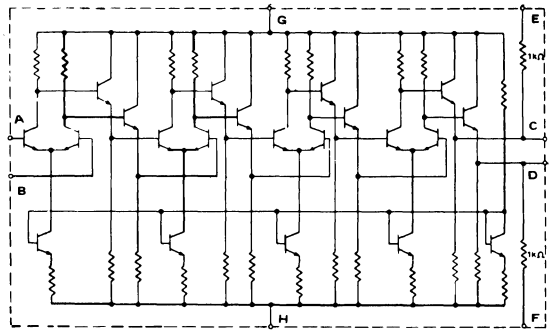
E029



E030

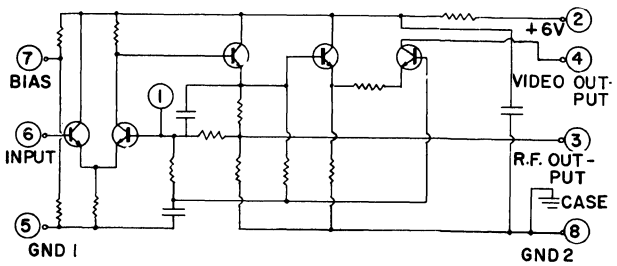


E031

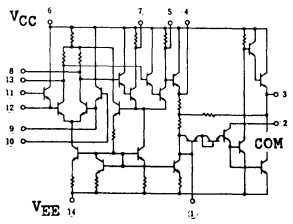


	A	B	C	D	E	F	G	H
E031	1	2	6	5	7	4	9	3
E031a	8	9	3	2	4	1	6	10

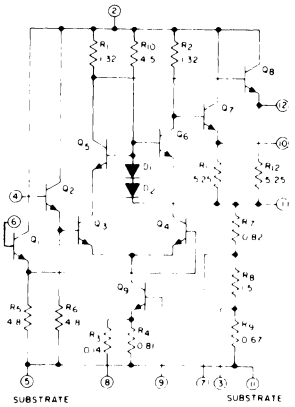
E032



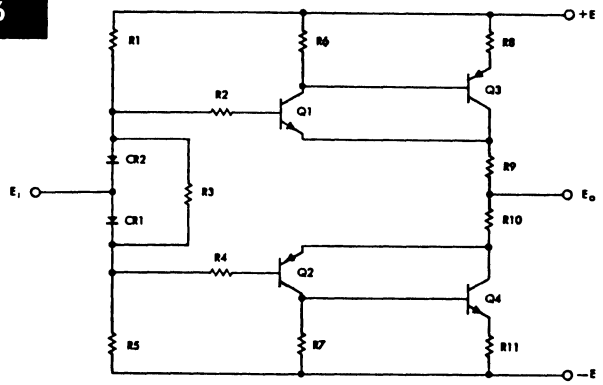
E034



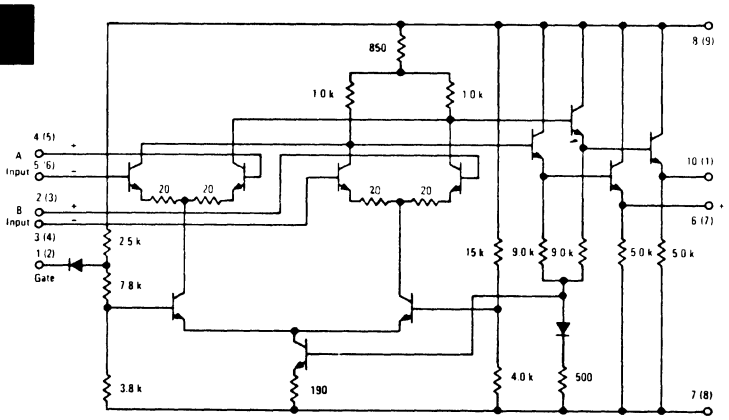
E035



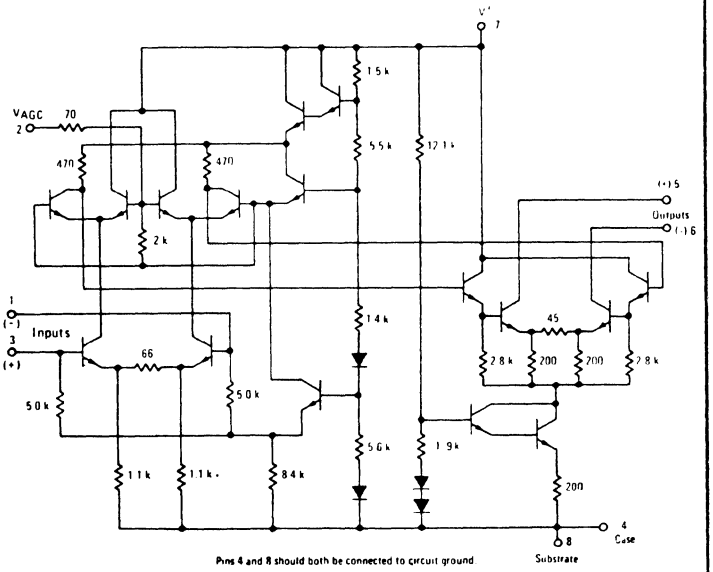
E036



E037

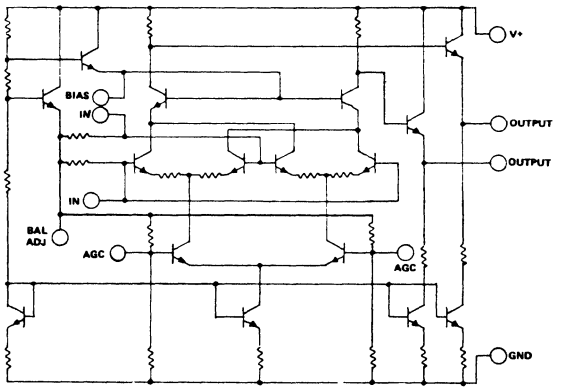


E038



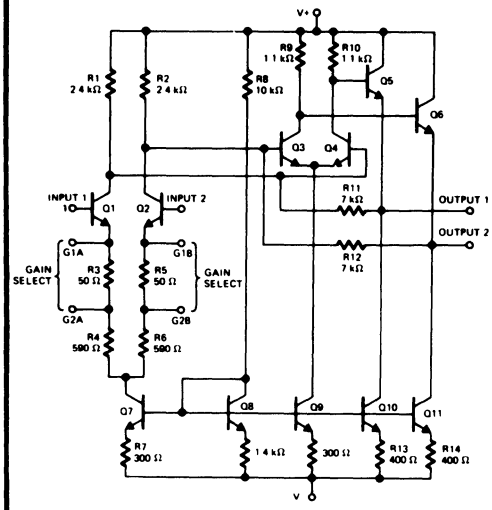
Pins 4 and 8 should both be connected to circuit ground.

E039



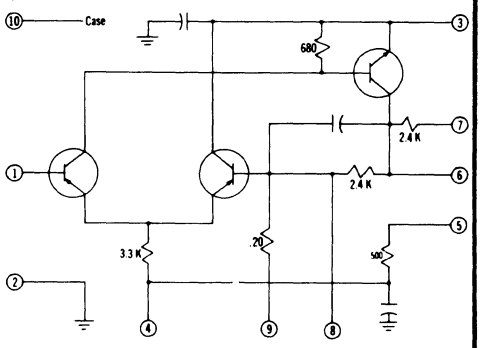
		V+	AGC	OUTPUT	BIAS	IN	BALANCE ADJ-	GND.	NC
TO100	CN	1	2,9	3,8	4	5,7	6	10	
MP39a	FP	1	3,12	4,11	5	7,10	8	14	2,6,9,13

E040

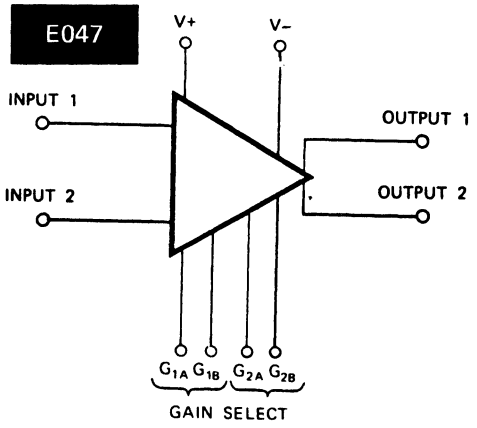


	OUTPUT		V	V	GAIN OP2		GAIN OP1		INPUT		NC
	1	2	+	-	A	B	A	B	1	2	
TO100 CN	7	6	8	5	10	3	9	4	1	2	
MP39a FP	8	7	10	5	12	3	11	4	14	1	2,6,9,13

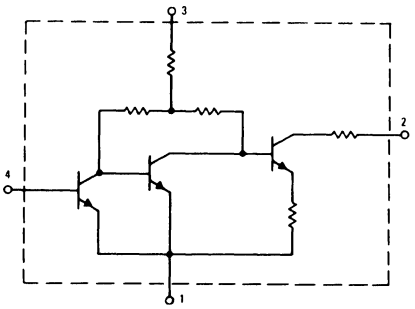
E043



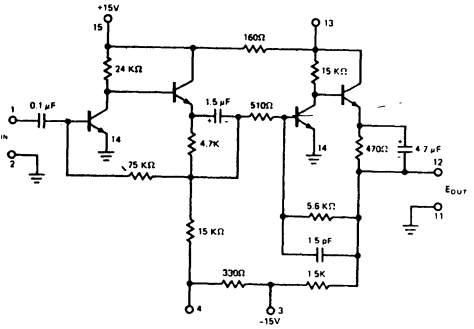
E047



E048

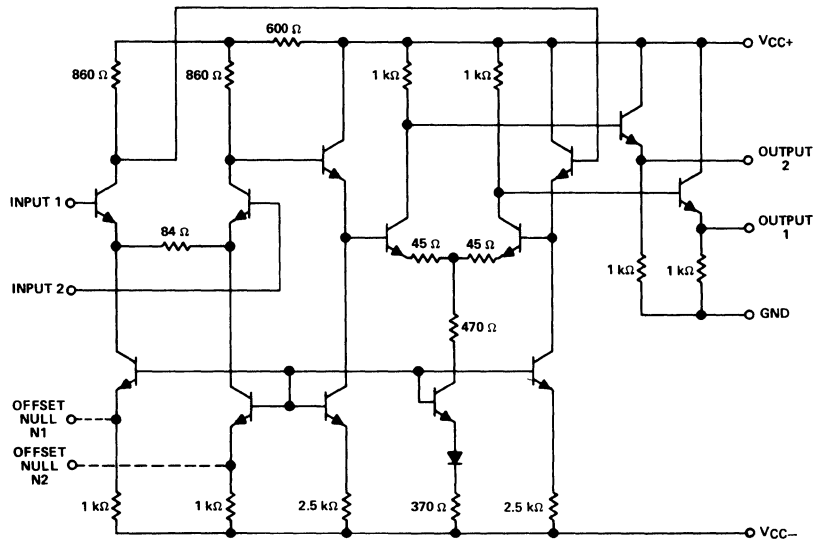


E049

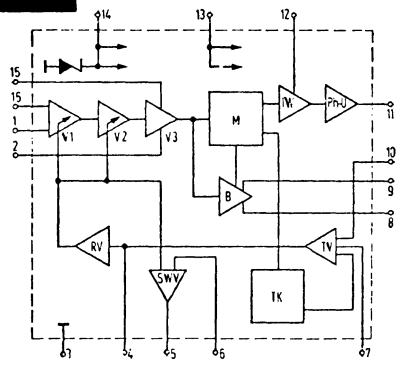


E050

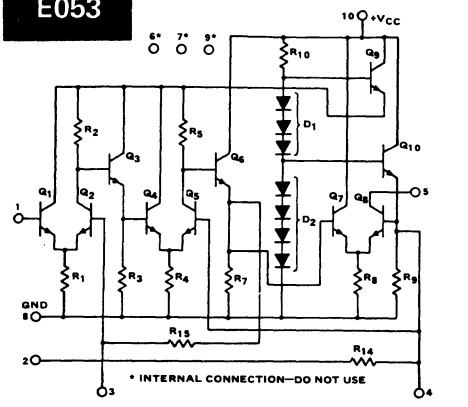
	PKG	INPUT		OFFSET		OUTPUT		VCC	VCC	GND
		1	2	N1	N2	1	2	+	-	
E050	CN	2	4	10	1	8	6	3	9	7
	MP	3	5	2	13	11	9	4	12	10
E050a	CN	1	3	NA	NA	7	5	2	8	6
	MP									



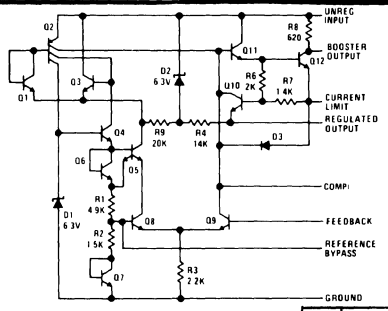
E051



E053

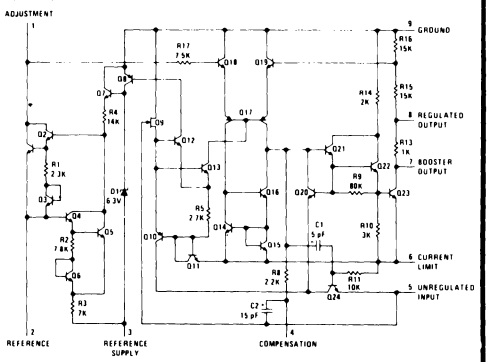


F001

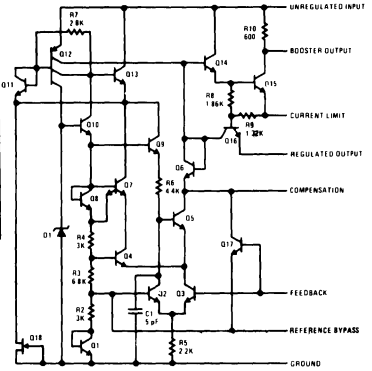


		IN	BOOST OUT	I_{LIM}	OUT	COMP	FB	R_{EF}	GND
TO99	CN	3	2	1	8	7	6	5	4
TO91	FP	3	2	9	8	7	6	5	4
MP39a	FP	4	3	12	11	10	8	7	5

F002

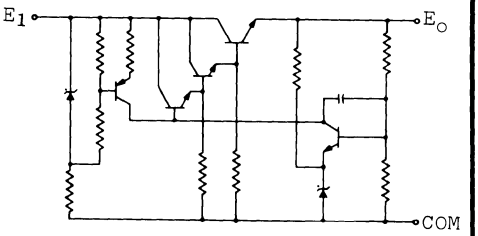


F003



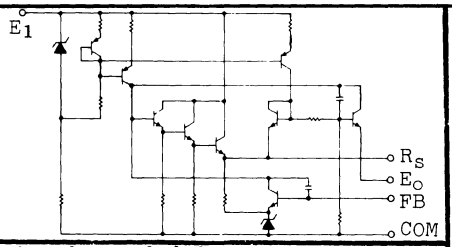
		IN	BOOST OUT	I_{LIM}	OUT	COMP	FB	REF	GND
TO99	CN	3	2	1	8	7	6	5	4
TO91	FP	3	2	9	8	7	6	5	4
MP39a	FP	4	3	12	11	10	8	7	5

F005



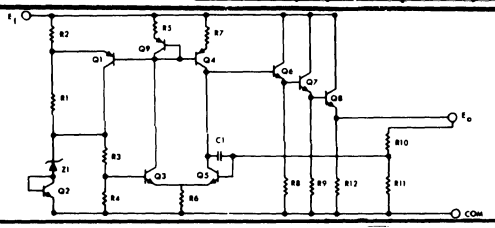
	E_1	E_0	COM
MP	1	3	6

F006

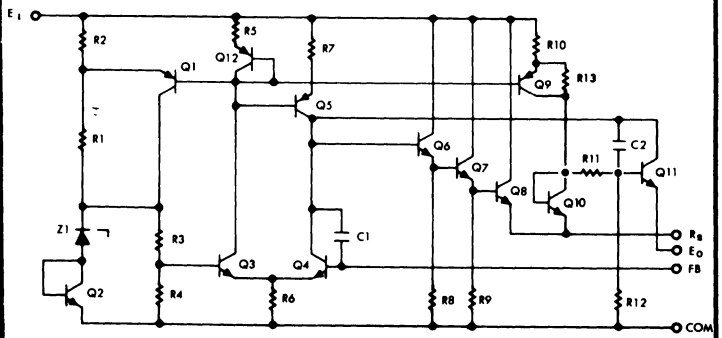


	E_1	F_B	E_0	R_S	COM
MP	1	5	4	3	6

F010

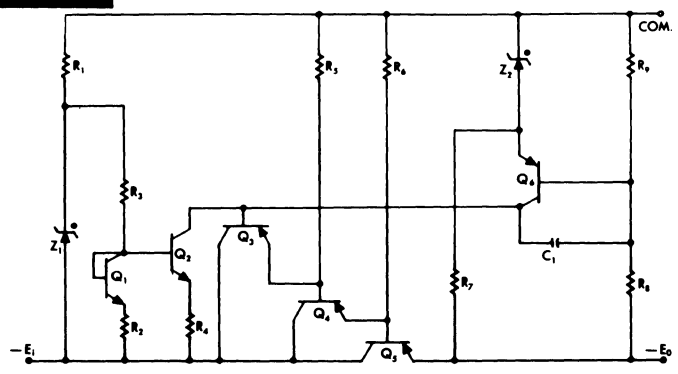


F011



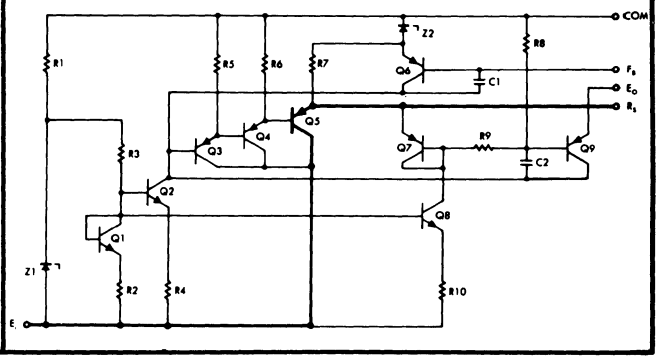
F012

	E_1	E_0	COM
MP	2	6	3



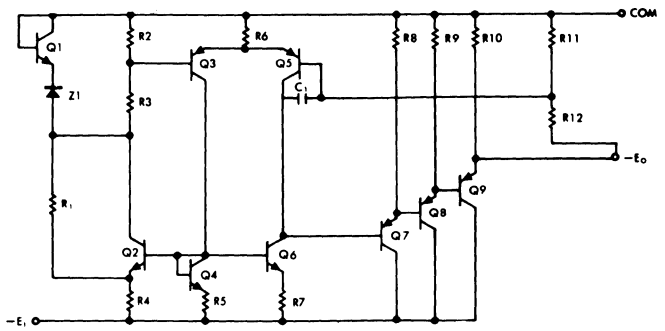
F013

	E_1	E_B	E_0	R_S	COM
MP	2	4	5	6	3



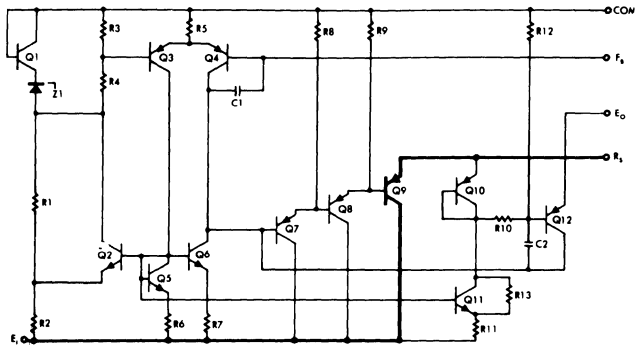
F014

	E_1	E_0	COM
MP	2	6	3

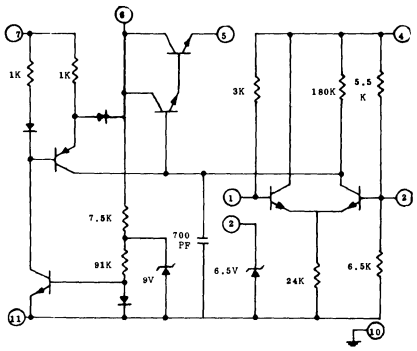


F015

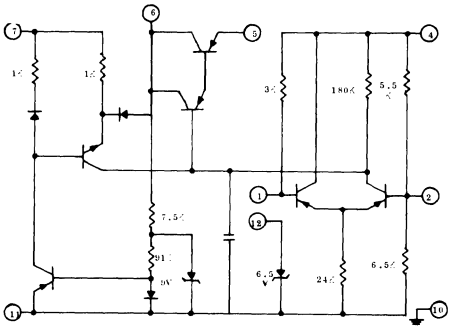
	E_1	E_B	E_0	R_S	COM
MP	2	4	5	6	3



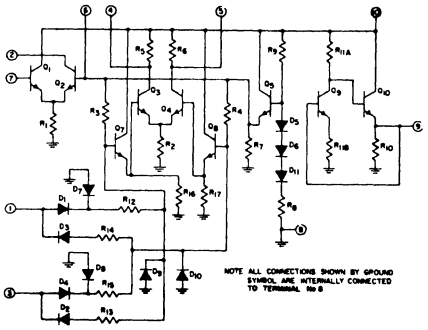
F016



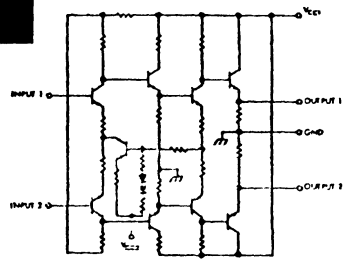
F017



F018

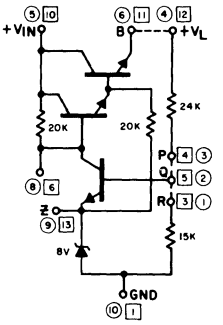


F019



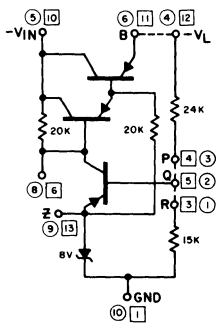
	I_{N1}	I_{N2}	V_{CC1}	V_{CC2}	O_{UT1}	O_{UT2}	G_{ND}
T089 & T091	1	5	3	10	9	6	7
CN & T076	1	3	2	8	7	5	6

F021

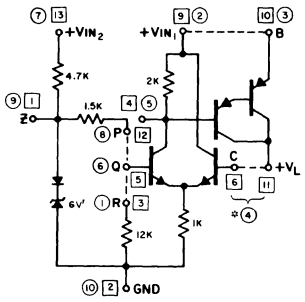


CN-PINS IN CIRCLES
FP-PINS IN SQUARES

F022

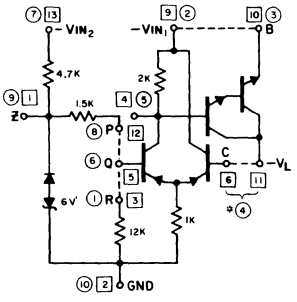


F023

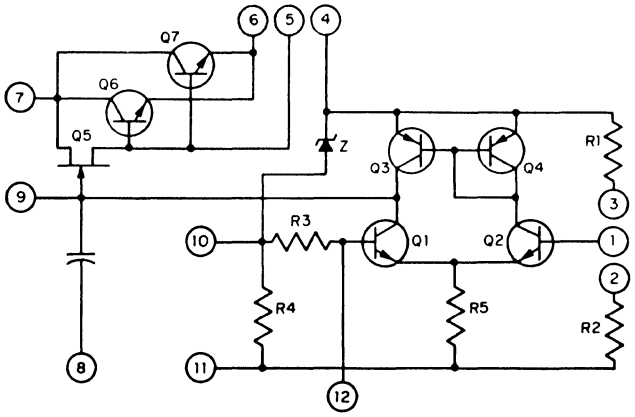


F024

CN-CIRCLES
FP-SQUARES

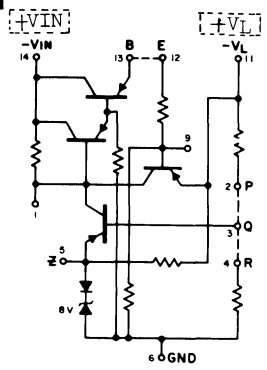


F025



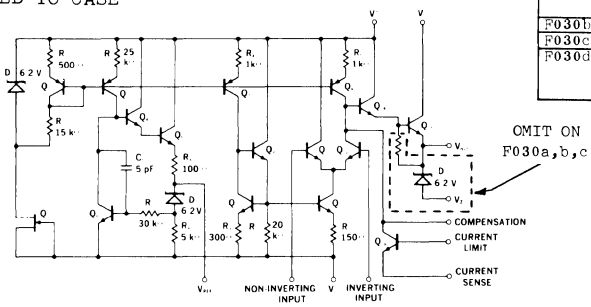
F027

F027 A IN DOTTED SECTION



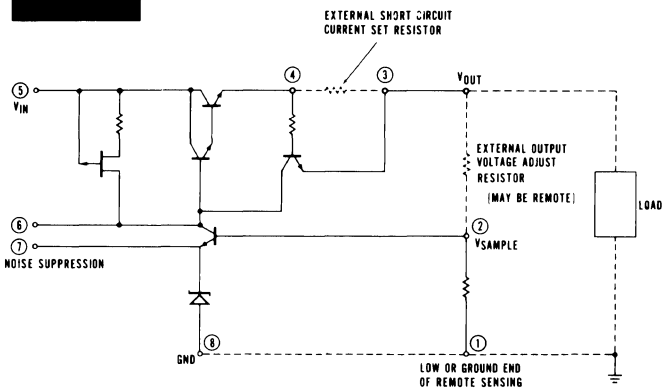
F030

* - CONNECTED TO CASE

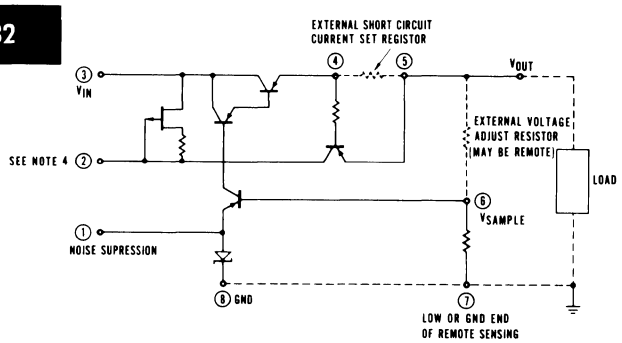


	PKG	CURRENT SENSE	INV IN	NON INV IN	Vref	V-	VZ	V OUT	VC	V	FREQ. COMP	CUR LIMIT	NC
F030,a	CN	1	2	3	4	5*		6	7	8	9	10	
	MP	3	4	5	6	7	13	12	11	10	9	2	1,8,14
	FP	3	4	5	6	7	9	10	11	12	13	2	1,8,14
F030b	CN	1	2	3	4	5	NA	6	7	8	9	10	NA
F030c	MP	3	4	5	6	7	9	10	11	12	13	2	1,8,14
F030d	MP or FP	3	4	5	6	7	9	10	11	12	13	2	1,14
	PP	1	2	3	4	5		6	7	8	9	10	

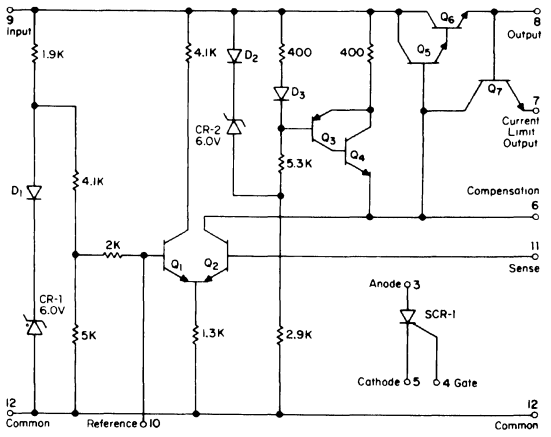
F031



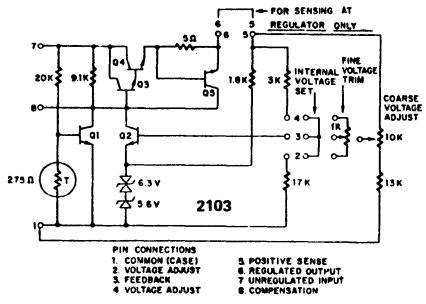
F032



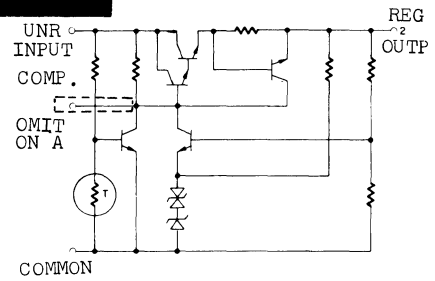
F036



F037

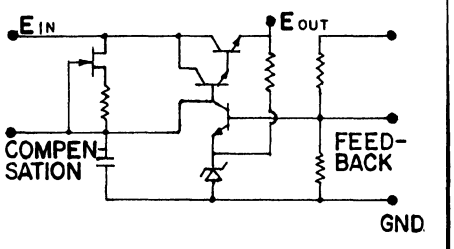


F038



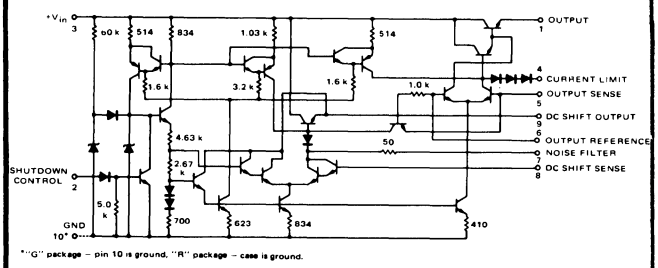
	UNREG. INPUT	REG. OUTPUT	COMMON	COMP.
F038	3	2	1	4
F038a	1	3	2	

F040

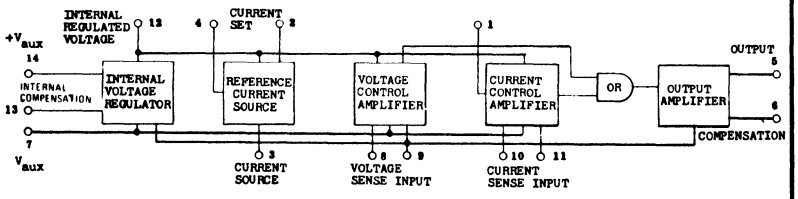


CKT NO.	EIN	COMP	EOUT	SENSE	FEEDBACK	Gnd
1	8	9	7	3	2	1
2	11	12	10	6	5	4

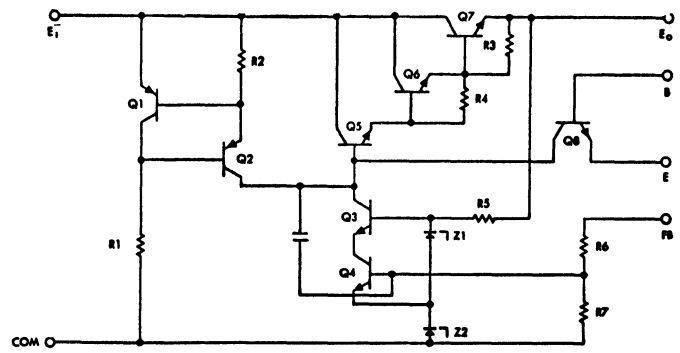
F042



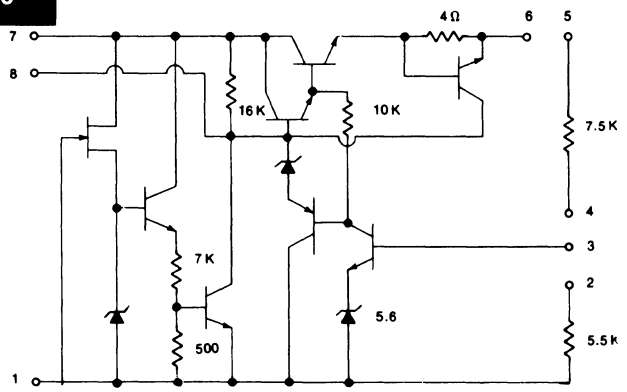
F043



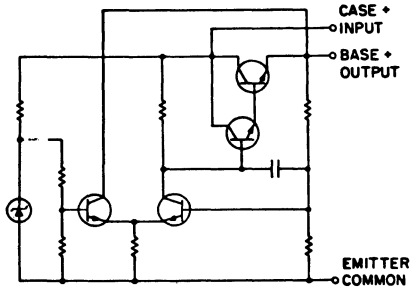
F044



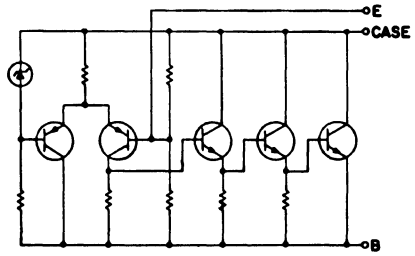
F046



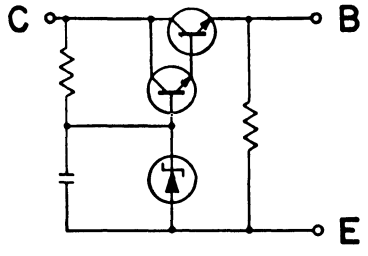
F056



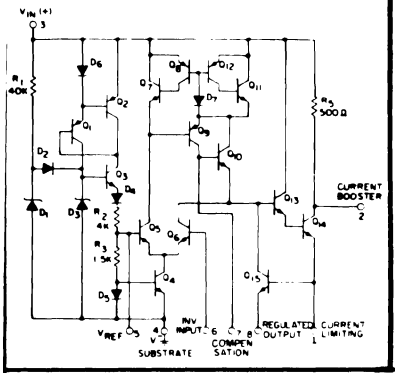
F057



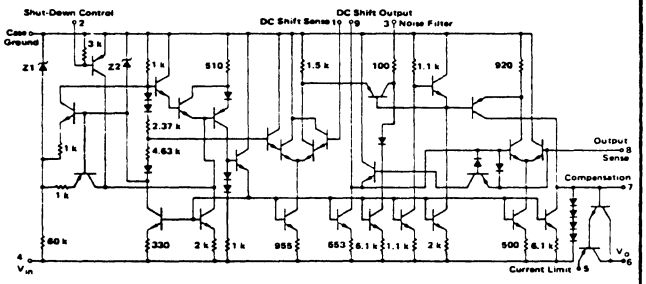
F058



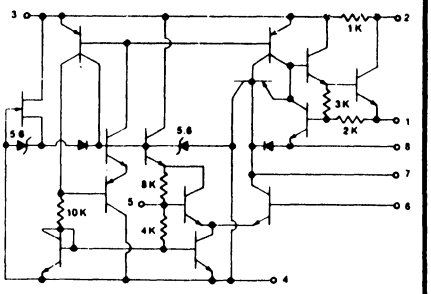
F060



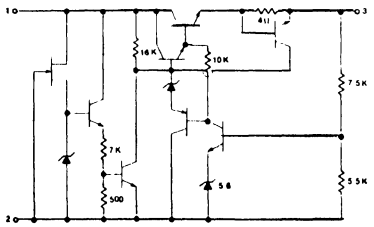
F064



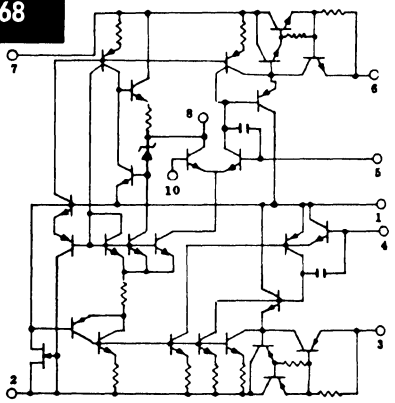
F065



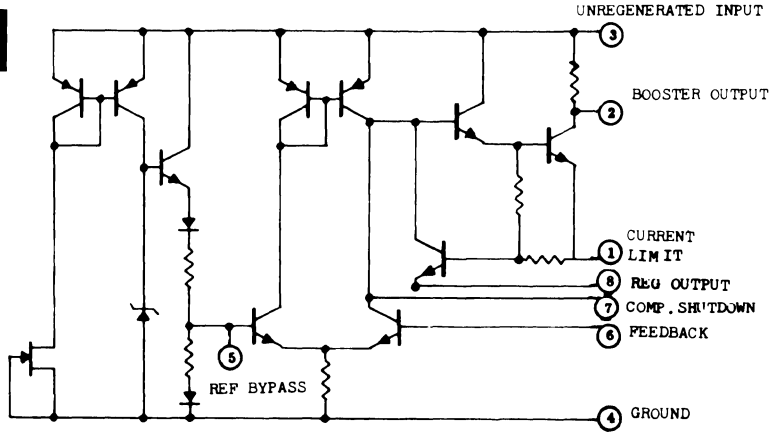
F067



F068

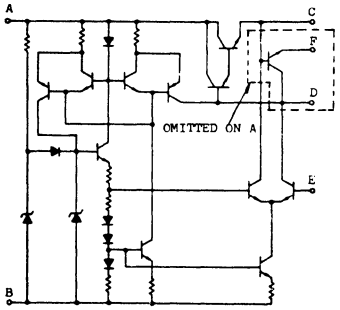


F070

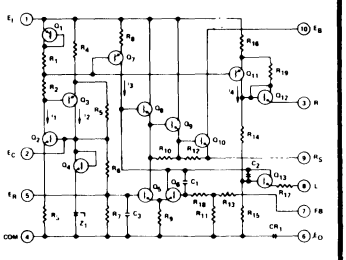


F071

	A	B	C	D	E	F
F071	2	1	3	5	6	4
F071a	2	1	3		4	

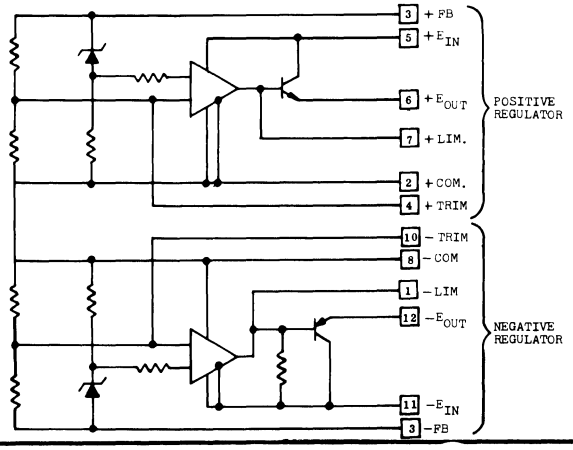


F072

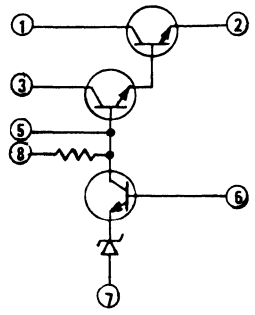


	E_1	E_C	E_R	COM	E_B	R	R_S	L	F_B	E_O	REMARKS
F072	1	2	5	4	10	3	9	8	7	6	
F072a	5	4	1	2	10	3	7	8	9	10	INTERNAL COMPONENT VALUES ARE NOT THE SAME, PNP and NPN DEVICES ARE INTERCHANGED

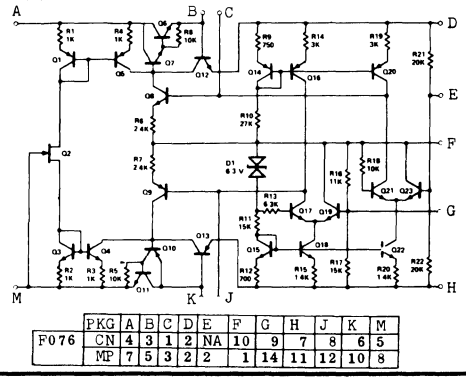
F073



F074

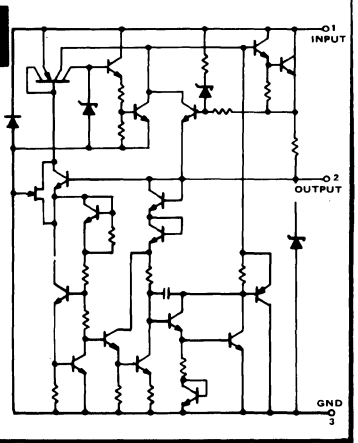


F076

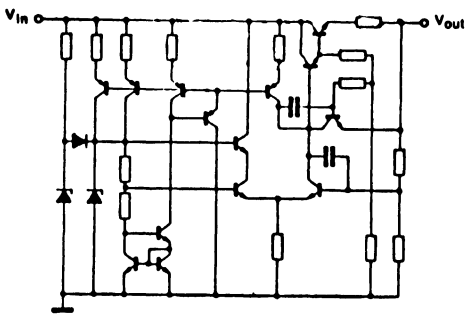


	PKG	A	B	C	D	E	F	G	H	J	K	M
F076	CN	4	3	1	2	NA	10	9	7	8	6	5
	MP	7	5	3	2	2	1	14	11	12	10	8

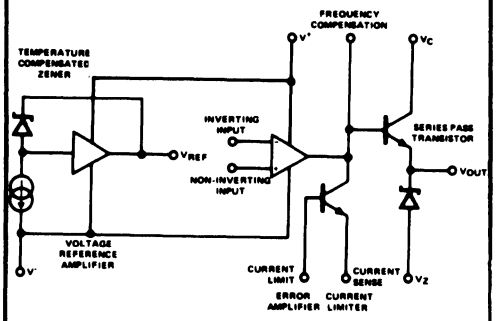
F077



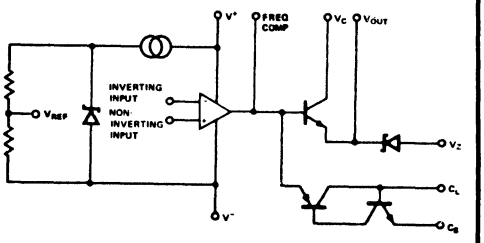
F078



F079

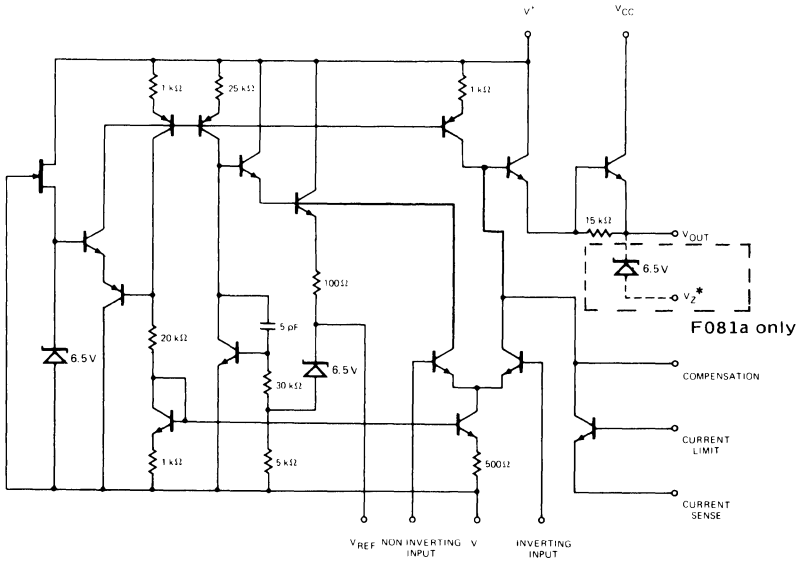


F080

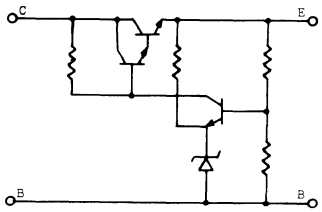


F081

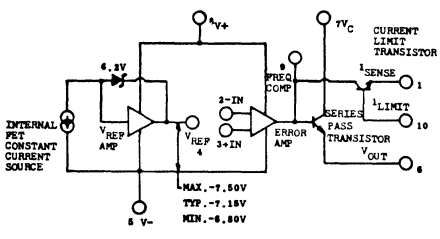
	PKG	V REF	NON INV IN	V-	INV IN	CUR SEN	CUR LIM	COMP	V_Z	V OUT	VCC	V+
F081	CN	4	3	5	2	1	10	9	NA	6	7	8
F081a	MP	6	5	7	4	3	2	13	9	10	11	12



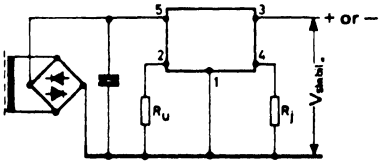
F082



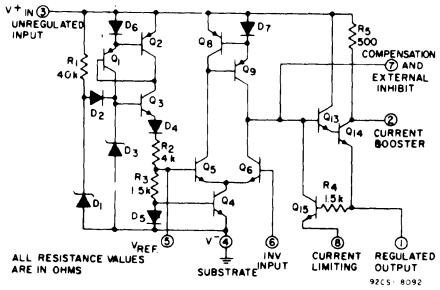
F085



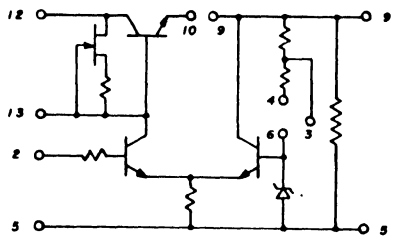
F086



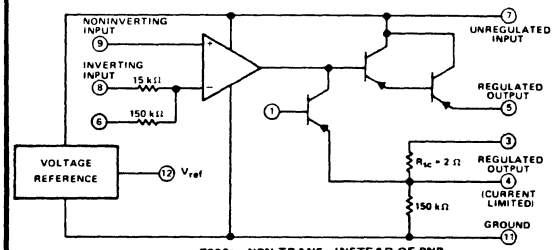
F088



F089

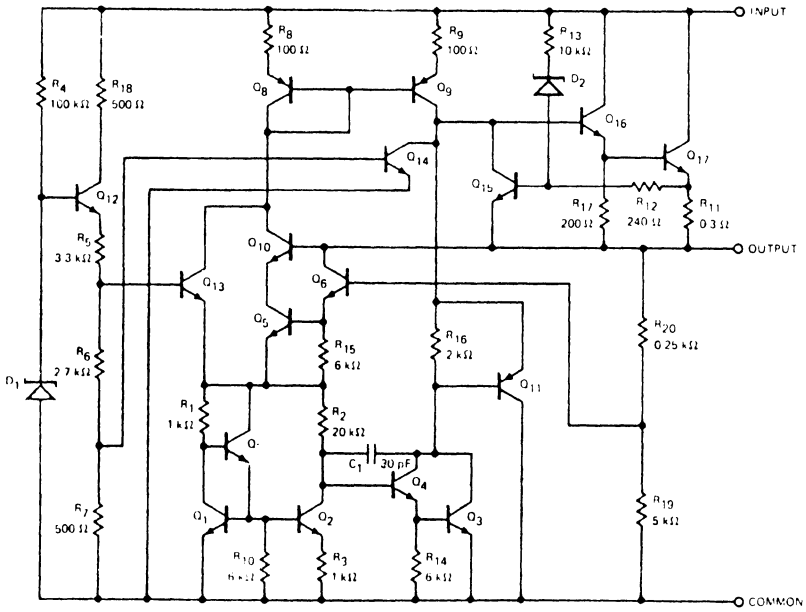


F090

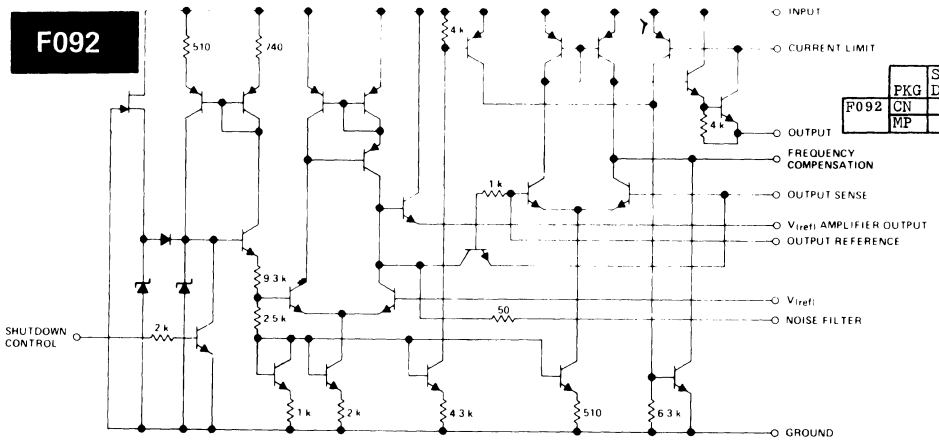


F090a - NPN TRANS., INSTEAD OF PNP

F091

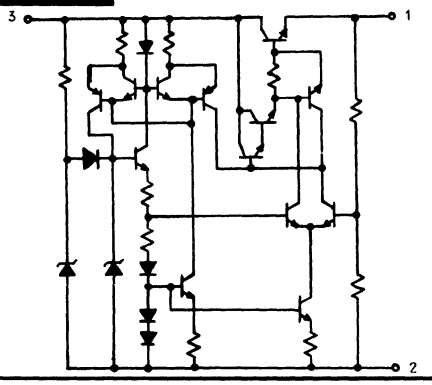


F092

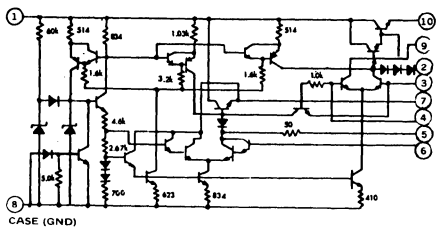


	PKG	SHUT DOWN	IN	CUR LIMIT	OUT	FREQ COMP	OUT SENSE	AMP OUT	OUT REF	VREF	NOISE FILTER	GND
F092	CN	2	1	10	9	NA	5	7	6	3	4	8
	MP	2	1	14	13	12	5	7	6	3	4	8

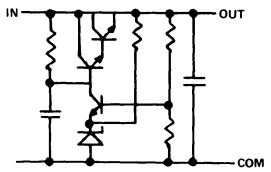
F093



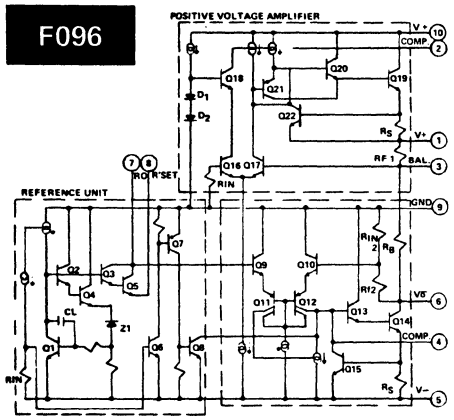
F094



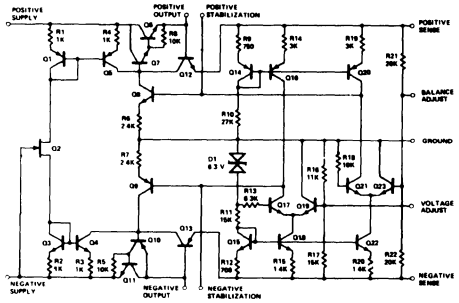
F095



F096

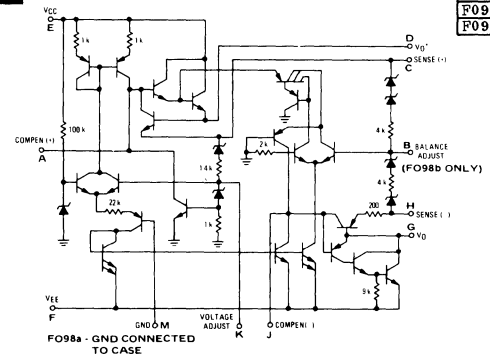


F097



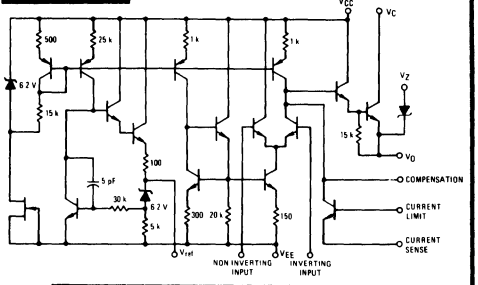
	PKG	POS STAB	POS SENSE	POS OUT	POS V+	NEG V-	NEG STAB	NEG SENSE	NEG OUT	VOLT ADJ	BAL ADJ
F097	CN	1	2	3	4	5	8	7	6	9	NA
	MP	3	4	5	7	8	12	11	10	14	2

F098



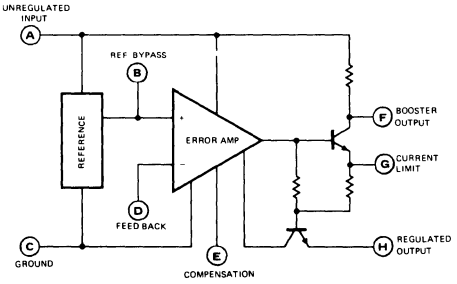
	A	B	C	D	E	F	G	H	J	K	M
F098	1		2	3	4	5	6	7	8	9	10
F098a	1		2	3	4	5	6	7	8	9	
F098b	3	2	4	5	7	8	10	11	12	14	1

F099



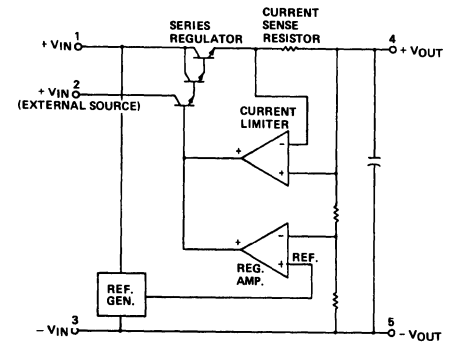
	VCC	VC	VZ	VO	COMP	CUR LIMIT	CUR SENSE	INV IN	NON INV IN	VEE	VREP
F099	K	J	G	H	L	A	B	C	D	F	E
F099a	12	11	9	10	13	2	3	4	5	7	6

F100

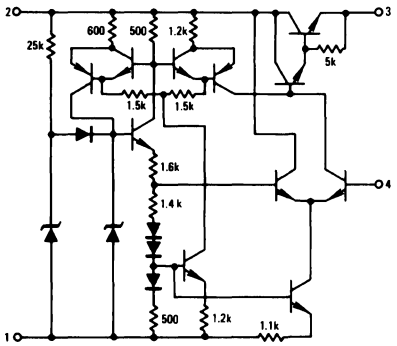


	PKG	A	B	C	D	E	F	G	H
F100	CN	3	5	4	6	7	2	1	8
	FP	3	5	4	10	9	2	7	8

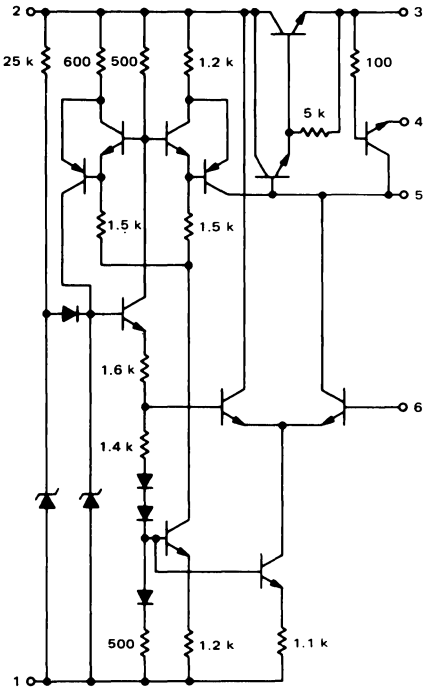
F101



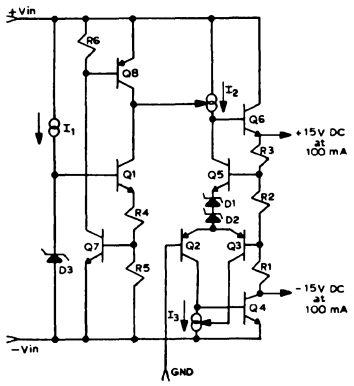
F102



F103



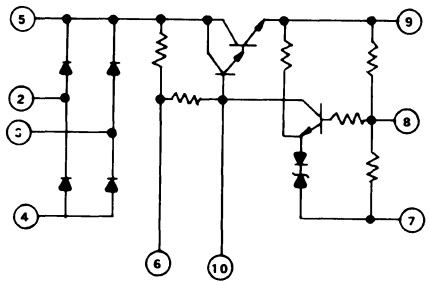
F104



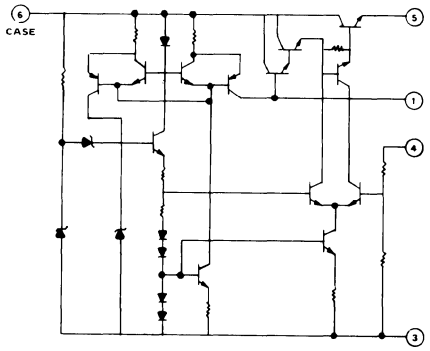
FUNCTION	PIN CONNECTIONS (TO-66)	(TO-99)	MP
+COMP*	7	1	1
GROUND	8	2	2
-COMP*	9	3	3
-VIN	CASE	4	4
-15V OUTPUT	1	5	5
BALANCE	2	6	6
+15V OUTPUT	3	7	7
+VIN	5	8	8

* EXTERNAL FREQUENCY COMPENSATION IS NOT REQUIRED IN NORMAL APPLICATIONS.

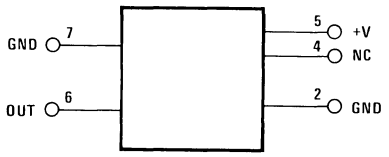
F105



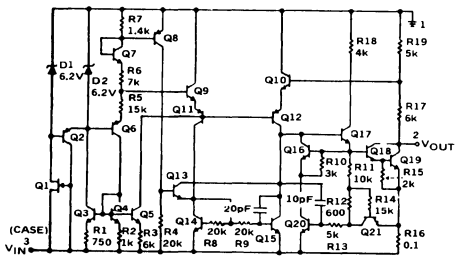
F106



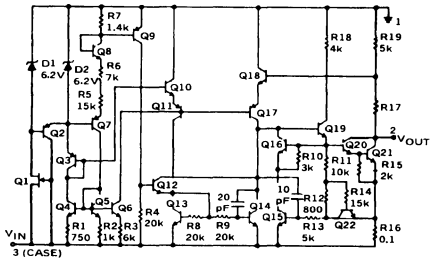
F107



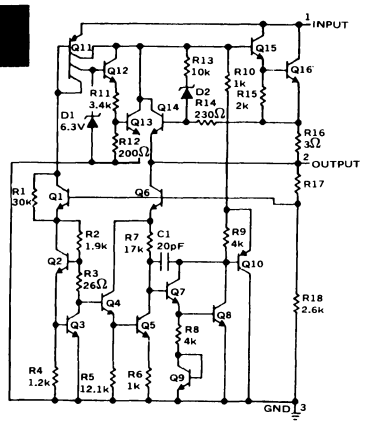
F108



F109

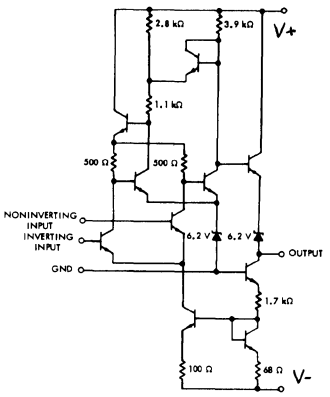


F110

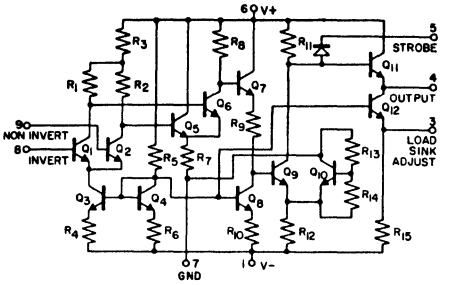


G001

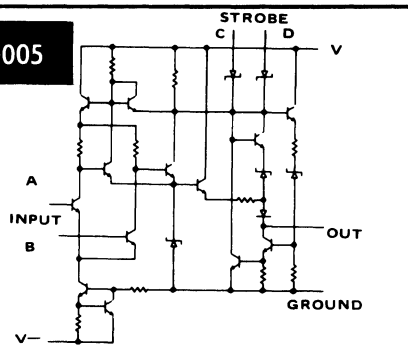
	V+	V-	INPUT NON INV	INPUT INV	OUT	GND
TO89and TO91 FP	8	5	2	3	6	1
TO79and CN TO99	8	4	2	3	7	1
TO116	8	4	2	3	7	1
MP	11	6	3	4	9	2



G004

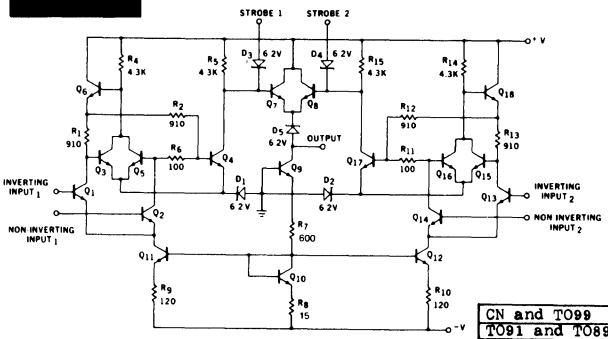


G005



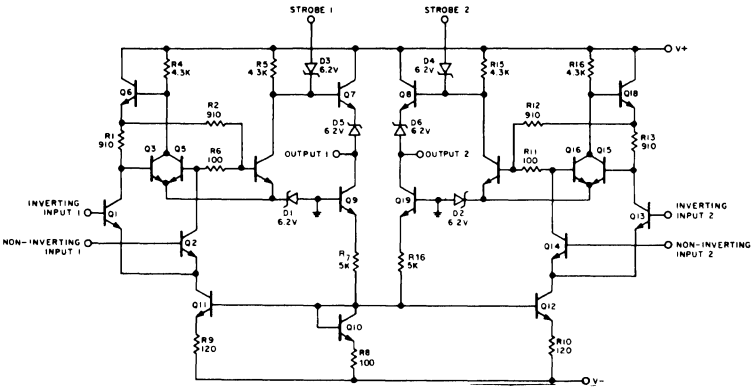
	PKG	CKT NO.	INPUT A	INPUT B	STROBE C	STROBE D	OUT	V+	V-	GND
G005	CN		2	3	5	6	7	8	4	1
G005a	FP		3	4	7	8	9	11	6	2
G005b	MP	1	2	3	1	14	12	11	4	13
		2	6	5	7	8	10			

G006



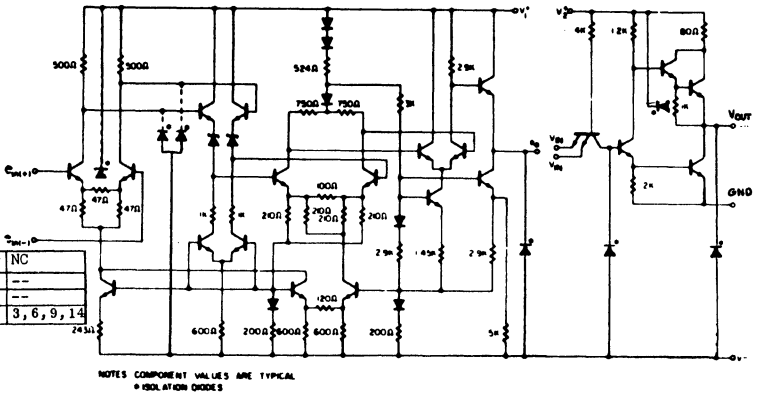
	V+	V-	INPUT 1 INV	INPUT 1 NON INV	INPUT 2 INV	INPUT 2 NON INV	S 1	S 2	OUT	G
CN and TO99	10	5	3	4	7	6	2	8	9	1
TO91 and TO89	8	3	1	2	5	4	10	6	7	9
TO116 and MP	11	4	2	3	6	5	13	9	10	12

G007



	V+	V-	INPUT 1 INV	INPUT 1 NON INV	INV	NON INV	S 1	S 2	01	02	G
FP MP	11	4	2	3	6	5	13	8	10	9	12

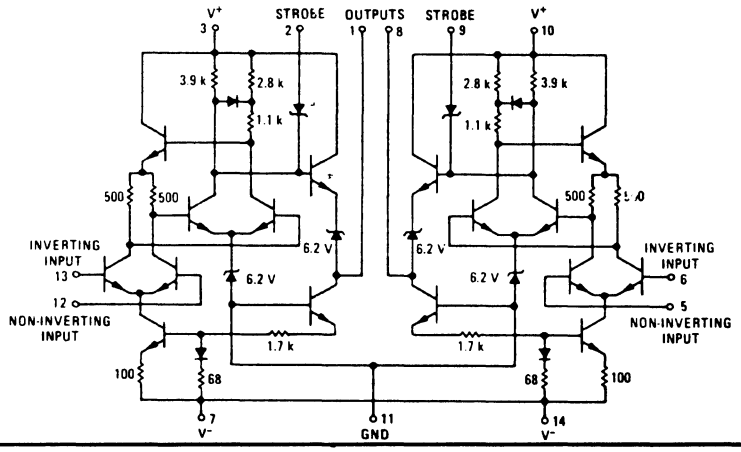
G009



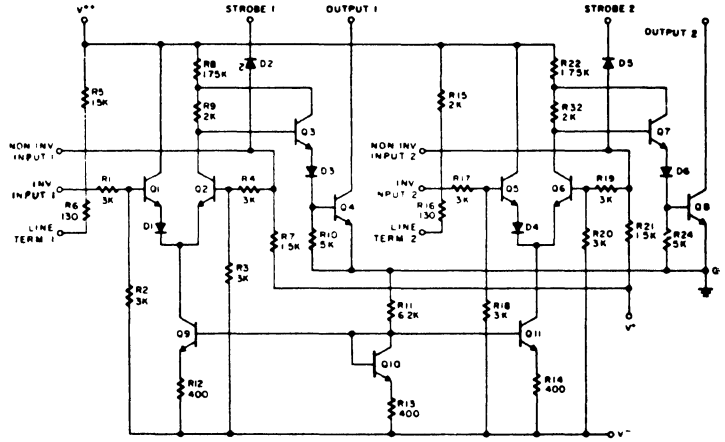
	e_{OUT}	V_{IN}	COM	V_0	V_1+	V_2+	e_{IN}	V-	NC
TO91	6	4,5	3	2	8	7	9,10	1	--
TO100	6	4,5	3	2	8	7	9,10	1	--
TO116	13	11,12	10	8	2	1	4,5	7	3,6,9,14

NOTES: COMPONENT VALUES ARE TYPICAL
⊕ ISOLATION DIODES

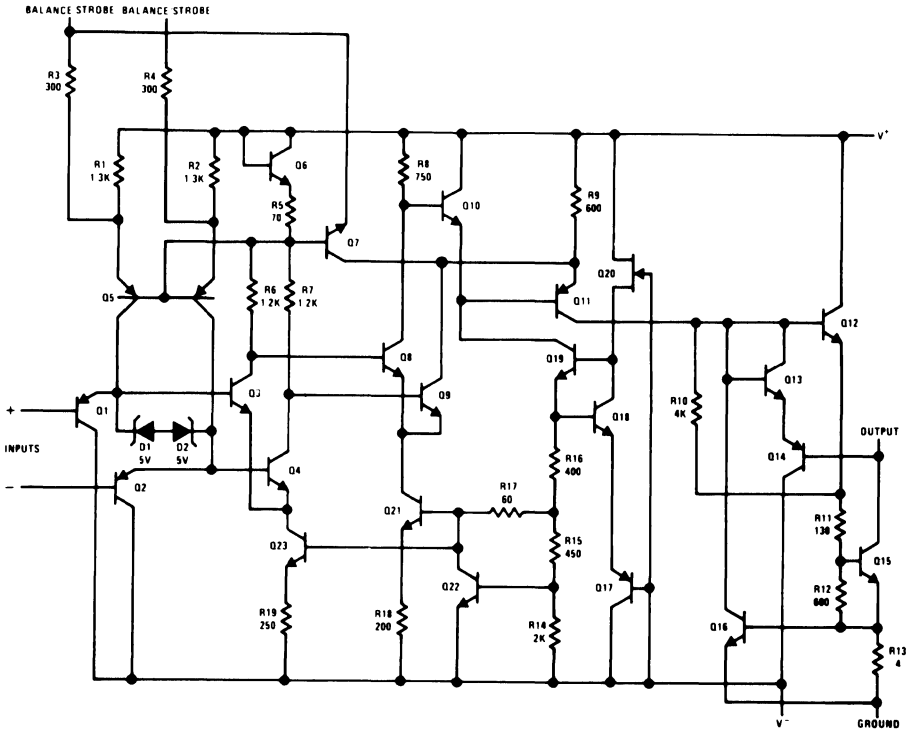
G012



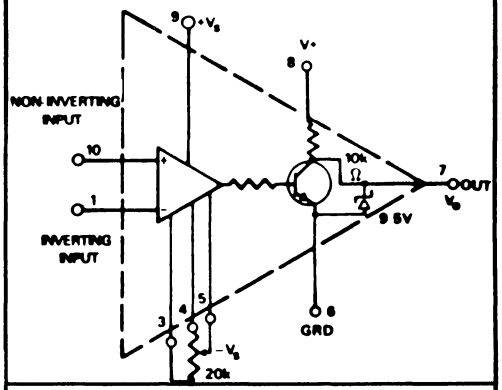
G014



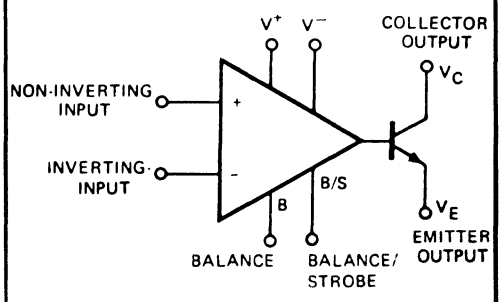
G016



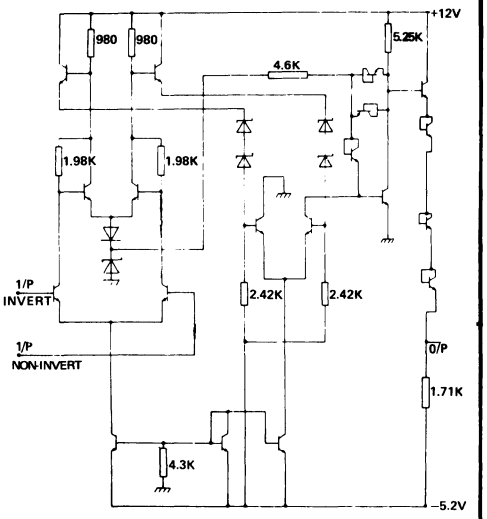
G017



G018

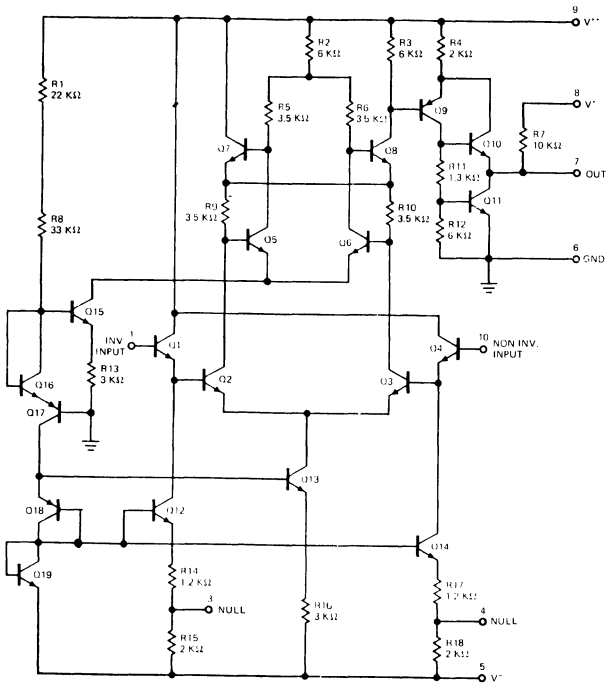


G019

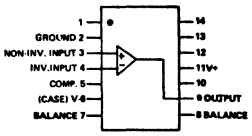


	CKT NO.	INVERT	NON INVERT	OV	O/P	12V	-5.2V
G019	1	13	12	5		3	11
	2	9	10	5	6	3	11

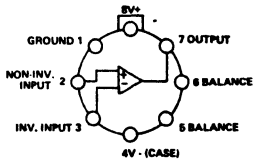
G020



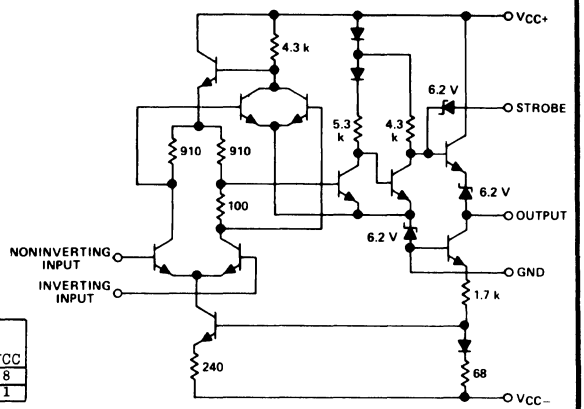
G022



G023

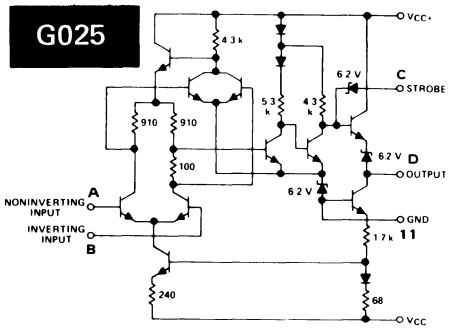


G024



	PKG DESIG.	NON INVERT IN	INV IN	VCC-	OUT	STROBE	VCC
G024	L, P	2	3	4	7	6	8
	J, N, Z	3	4	6	9	10	11

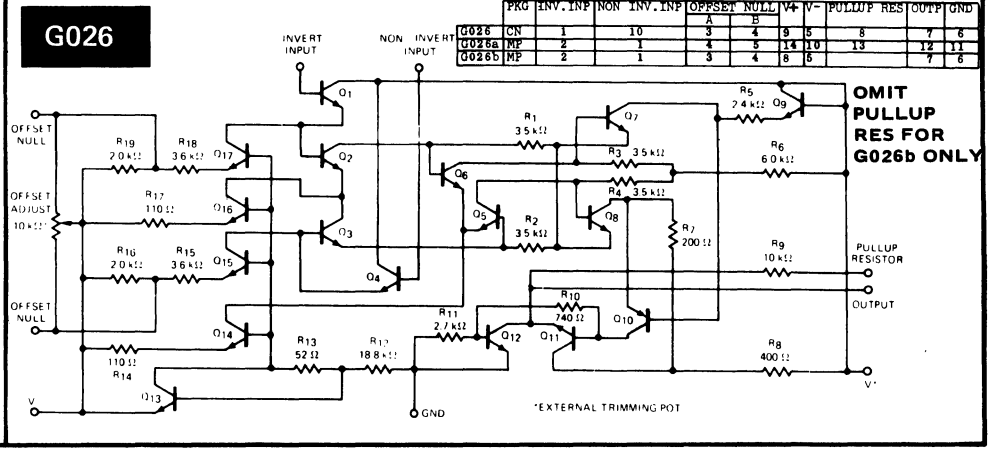
G025



	CKT	A	B	C	D	VCC	VCC-
G025	1	12	13	2	1	3	14
	2	5	6	9	8	10	7

G026

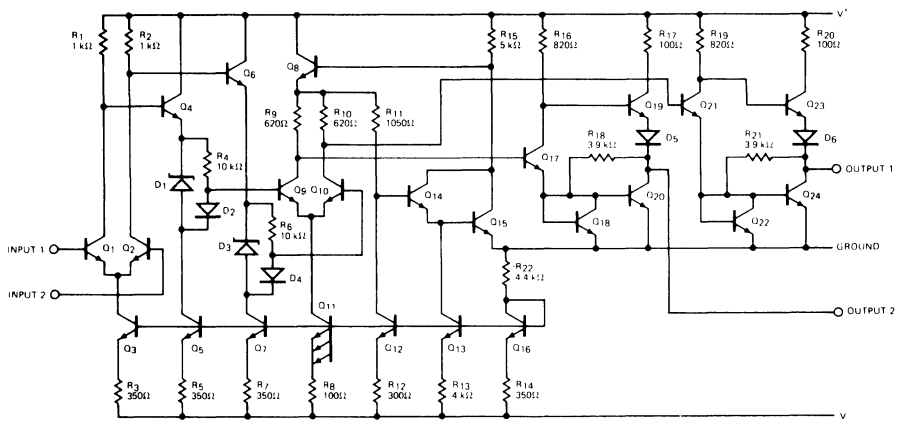
	PKG	INV. INP	NON INV. INP	OFFSET NULL A	OFFSET NULL B	V+	V-	PULLUP RES	OUTP	GND
G026	CN	1	10	3	4	9	5	8	7	6
G026a	MP	2	1	4	5	14	10	13	12	11
G026b	MP	2	1	3	4	8	5		7	6



OMIT PULLUP RES FOR G026b ONLY

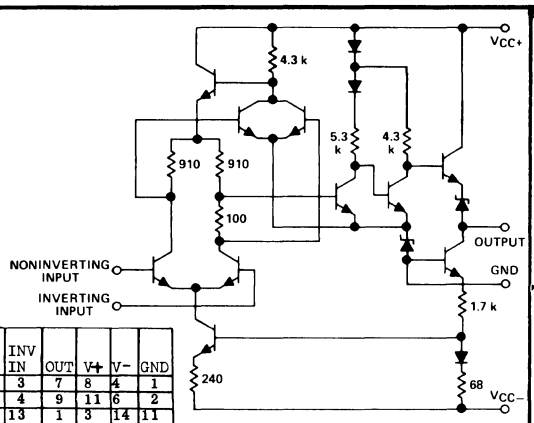
G027

	PKG	INPUT 1	INPUT 2	OUTPUT 1	OUTPUT 2	V+	V-	GND
G027	CN	3	2	7	6	8	4	5
G027a	MP	5	4	11	10	12	6	9



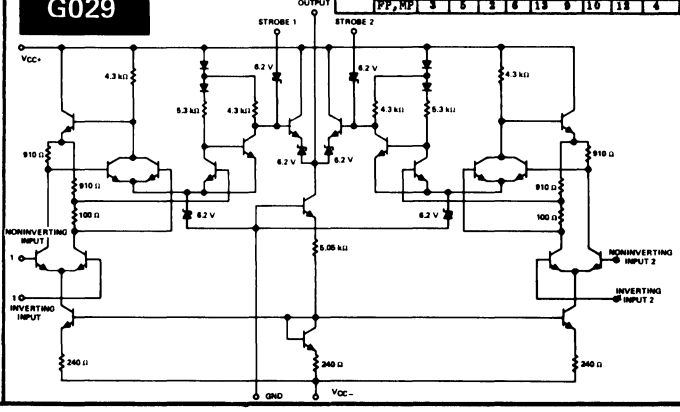
G028

	PKG	CKT	NON INV IN	INV IN	OUT	V+	V-	GND
G028	CN, MP	1	2	3	7	8	4	1
	FP, MP	1	3	4	9	11	6	2
G028a	MP	1	12	13	1	3	14	11
		2	5	6	8	10	7	11

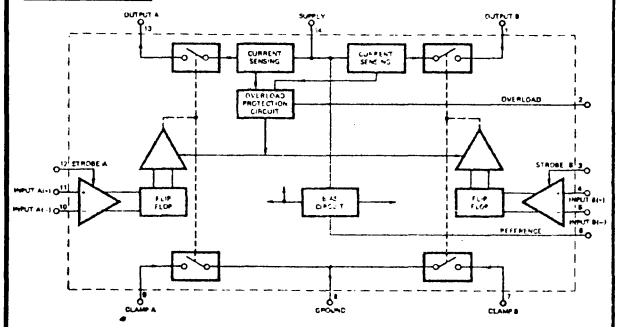


G029

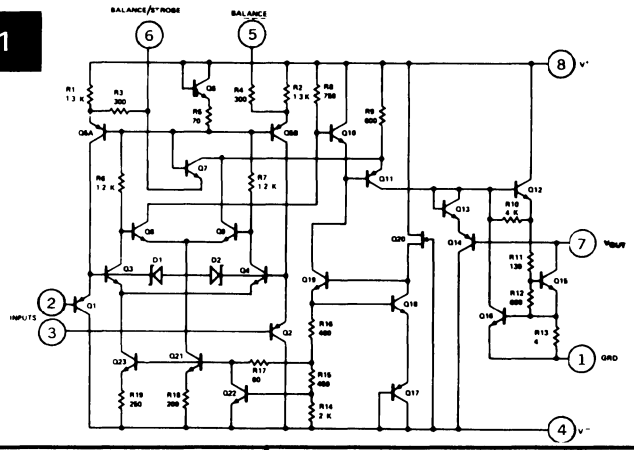
	PKG	NON INV IN1	INV IN2	INV IN	STROBE 1	STROBE 2	OUT	GND	VCC-	VCC
G029	CN	4	6	3	7	2	9	1	5	10
	FP, MP	3	5	2	6	13	9	10	4	11



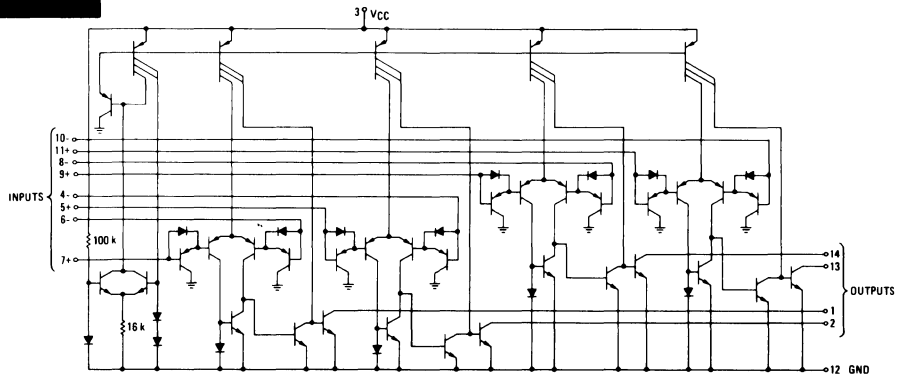
G030



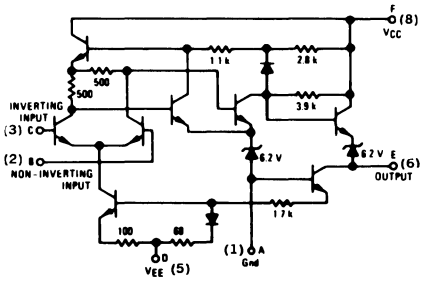
G031



G032



G033

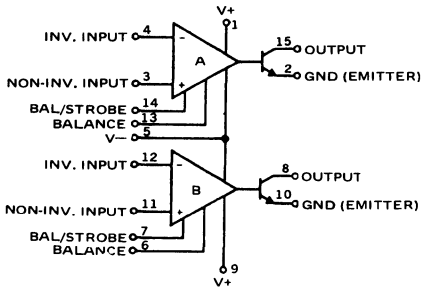


NUMBER IN PARENTHESIS SPECIFIES TO91 PIN CONNECTIONS.

13. CIRCUIT DRAWINGS

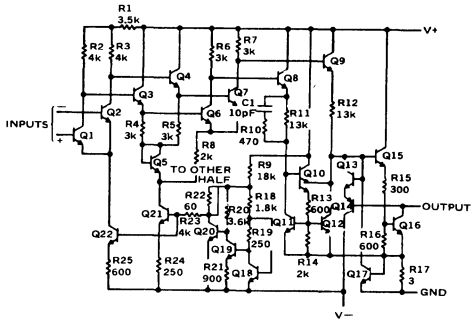
IN DRAWING NUMBER SEQUENCE

G034

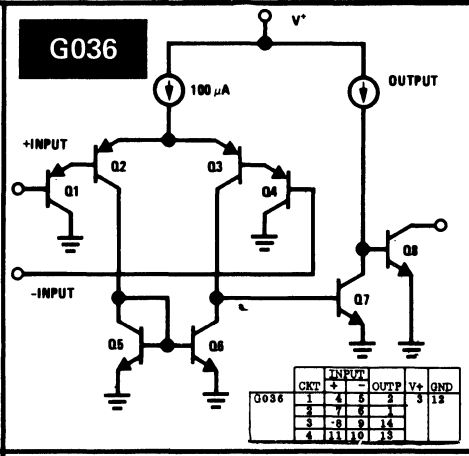


G035

	PKG	CKT	INP −	INP +	OUTP	V+	V−	GND
G035	CN	1	4	3	1	10	5	2
		2	9	8	6			7
	FP	1	4	3	1	10	5	2
		2	9	8	6			7
	MP	1	5	4	12	11	6	3
		2	10	9	7			8



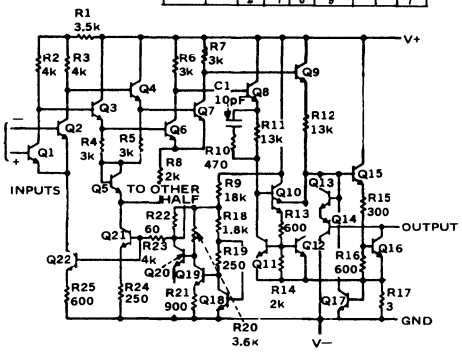
G036



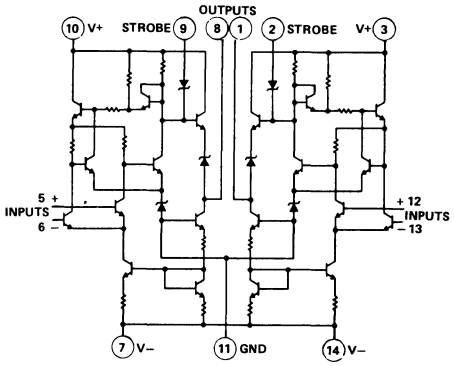
	CKT	INPUT +	INPUT −	OUTP	V+	GND
G036	1	4	5	2	3	12
	2	7	6	1		
	3	8	9	14		
	4	11	10	13		

G037

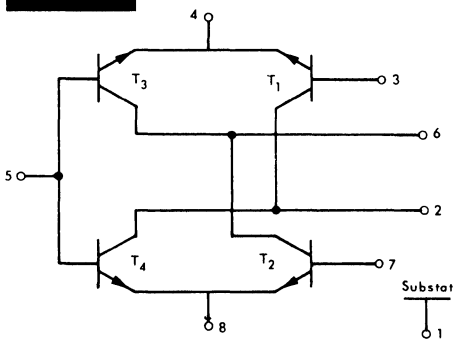
	PKG	CKT	INPUT +	INPUT −	OUTP	V+	V−	GND
G037	MP	1	4	5	12	11	6	3
		2	9	10	7			8
	CN	1	3	4	1	10	5	2
		2	7	8	9			7



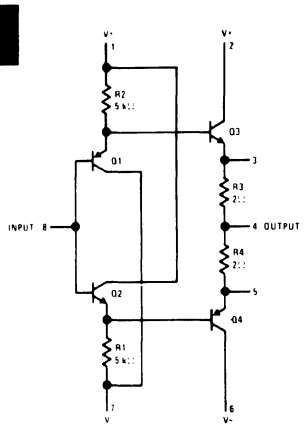
G038



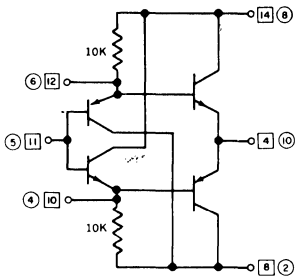
Z001



Z003



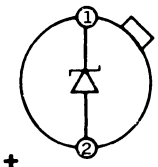
Z004

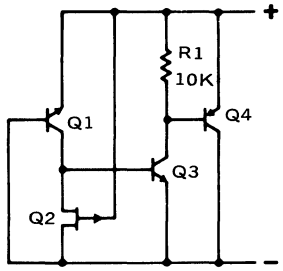


○ denotes TO-5 pins □ denotes 3/8" x 3/8" FP pins

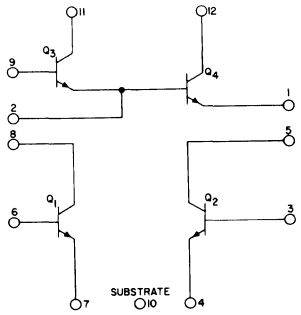
Z005

Note: Pin 2 connected to Case.

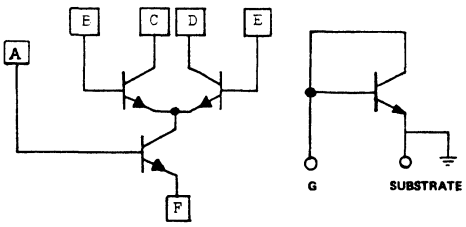




Z007

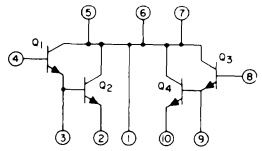


Z008

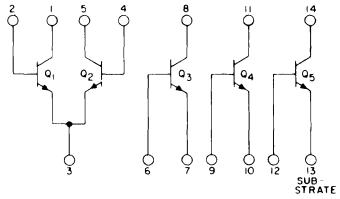


	CKT	A	B	C	D	E	F	G	SUB
Z008	1	3	2	1	14	13	4	10	5
	2	11	9	8	7	6	12	—	—
Z008a	1	2	1	12	11	10	3	—	—
	2	8	7	6	5	4	9	—	—
Z008b	1	2	1	12	11	10	3 SUB	NA	NA
	2	8	7	6	5	4		NA	NA

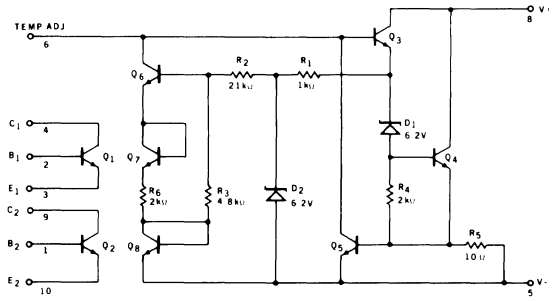
Z009



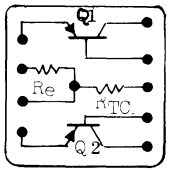
Z010



Z011

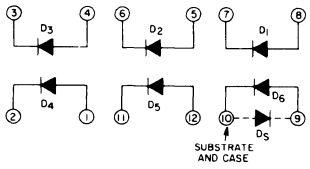


Z012

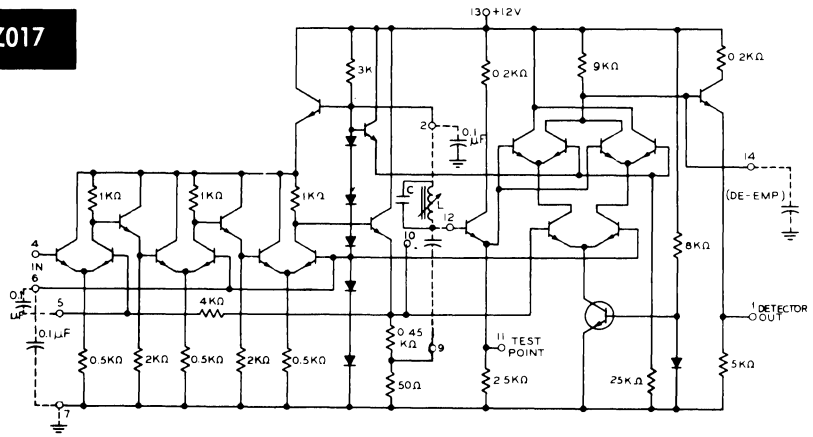


TYPE TRANSISTORS Q1 AND Q2	
751P	PNP
751N	NPN

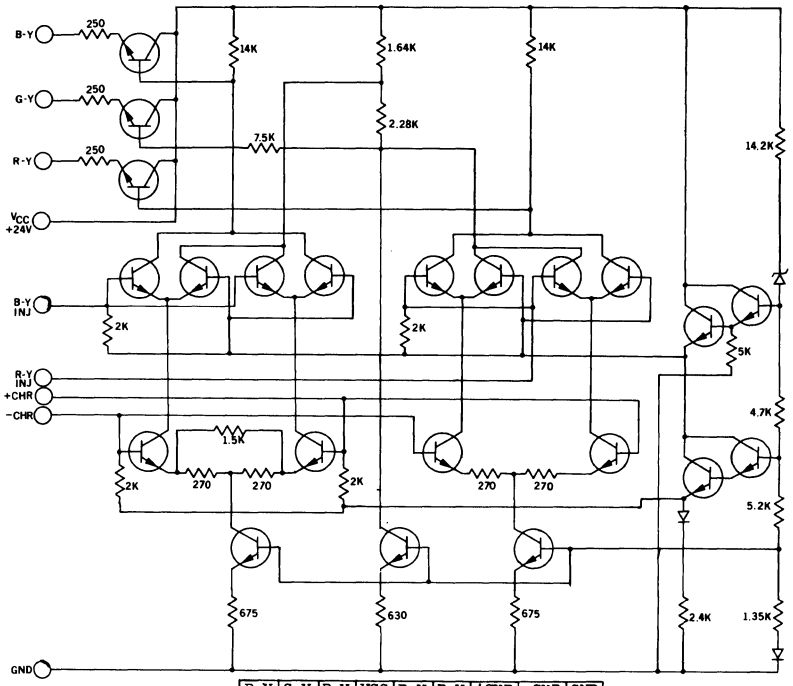
Z013



Z017

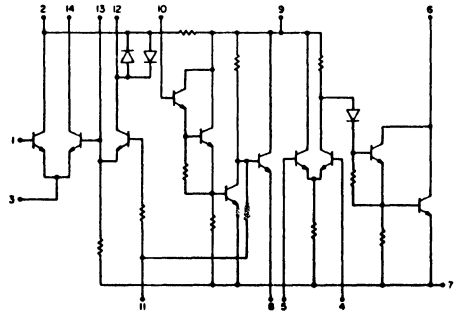


Z018

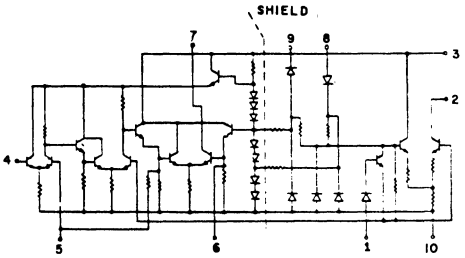


	B-Y	G-Y	R-Y	VCC	B-Y INJ	R-Y INJ	+CHR	-CHR	GND
Z018	9	7	8	6	5	4	3	2	1
Z018a	13	9	11	8	7	6	4	3	14

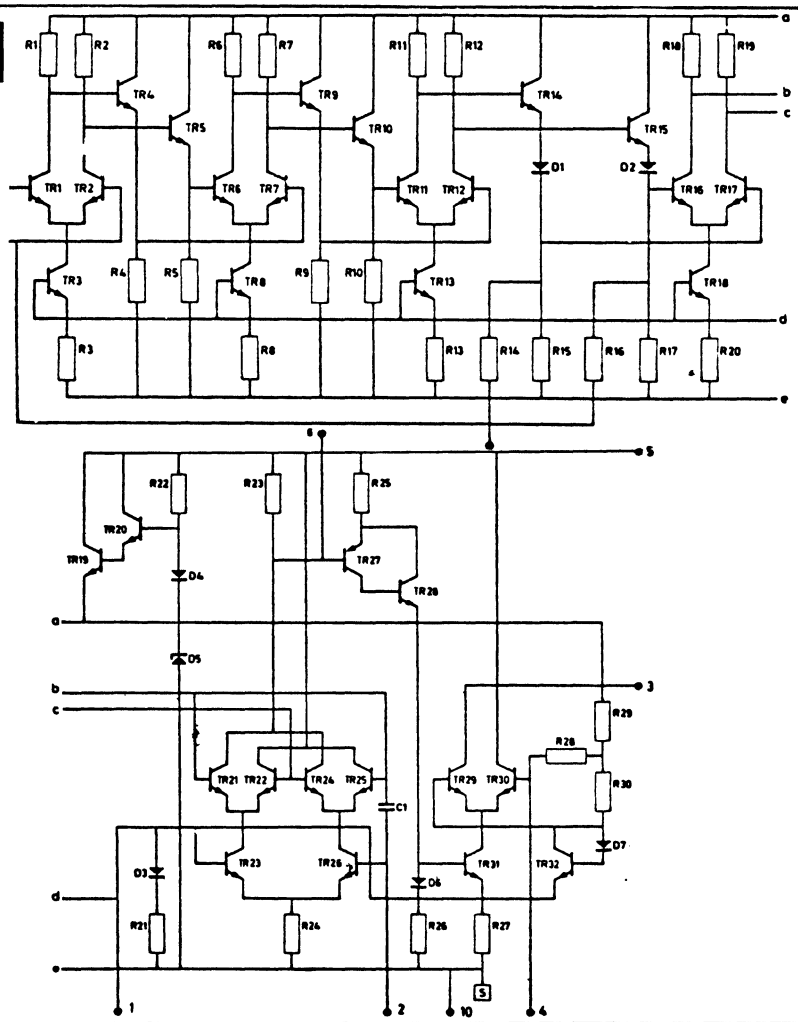
Z019



Z020

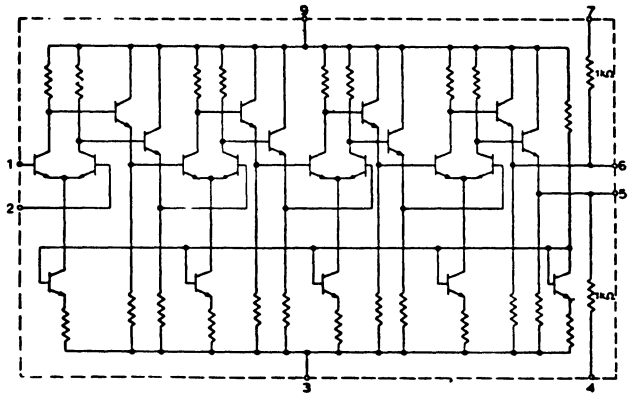


Z021

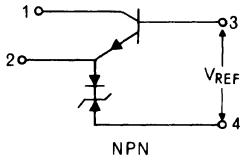


[redacted]

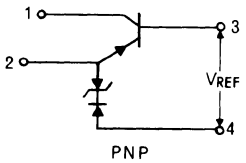
Z024



Z025

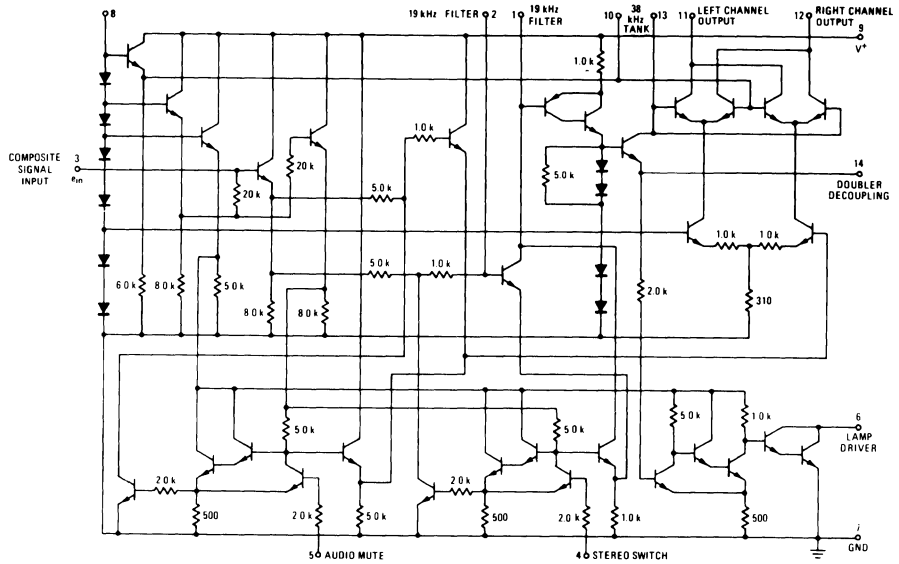


Z026

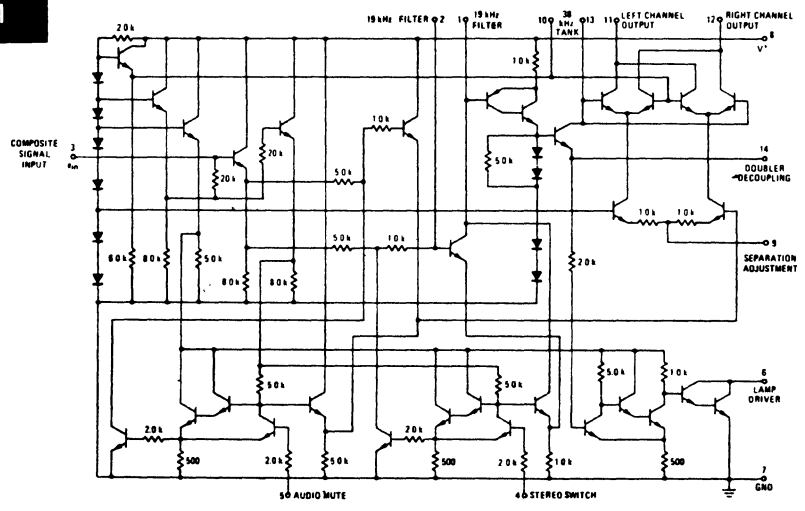


[redacted]

Z030

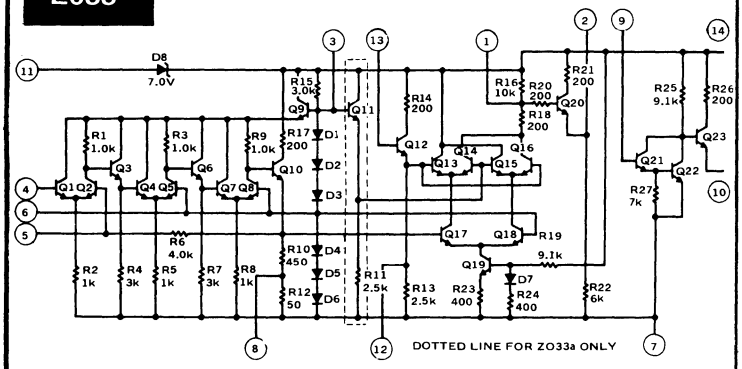


Z031

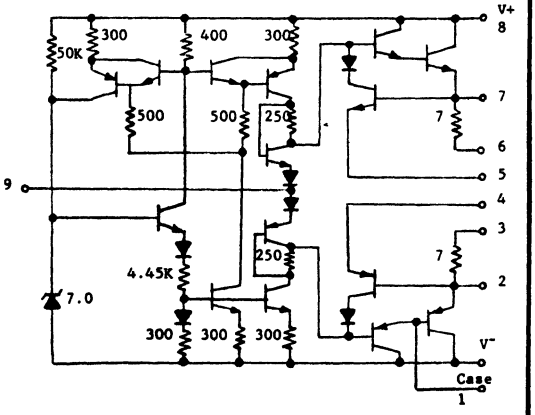


[redacted]

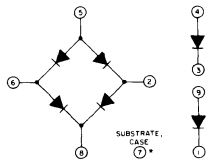
Z033



Z037

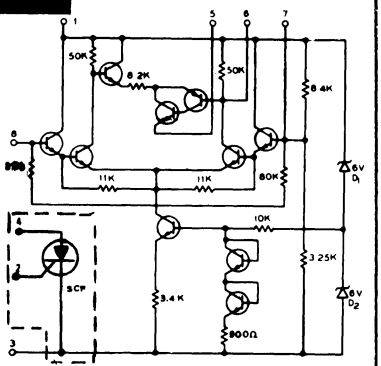


Z041



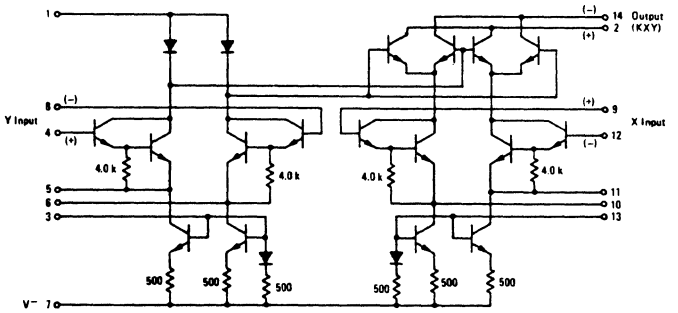
* Connect to most negative circuit potential.

Z044

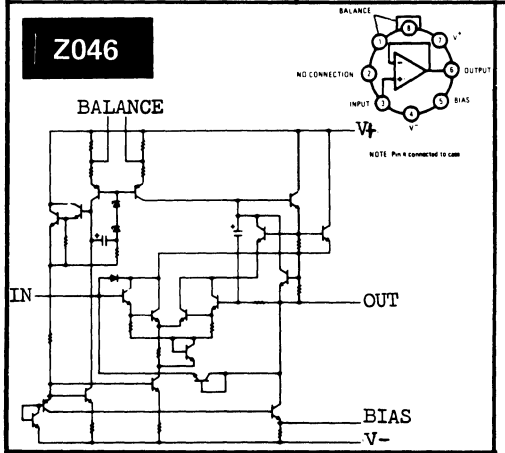


Z044a — INCLUDES DOTTED PORTION.

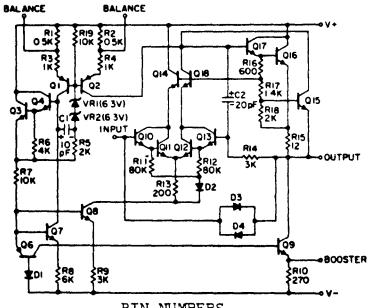
Z045



Z046



Z047

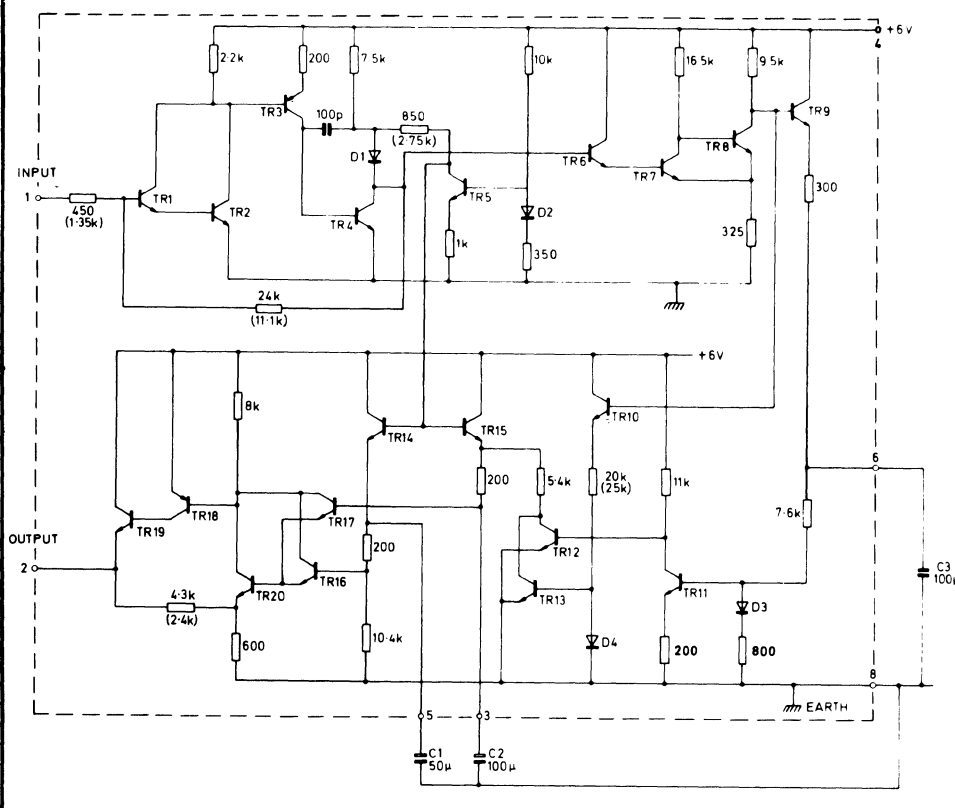


PIN NUMBERS

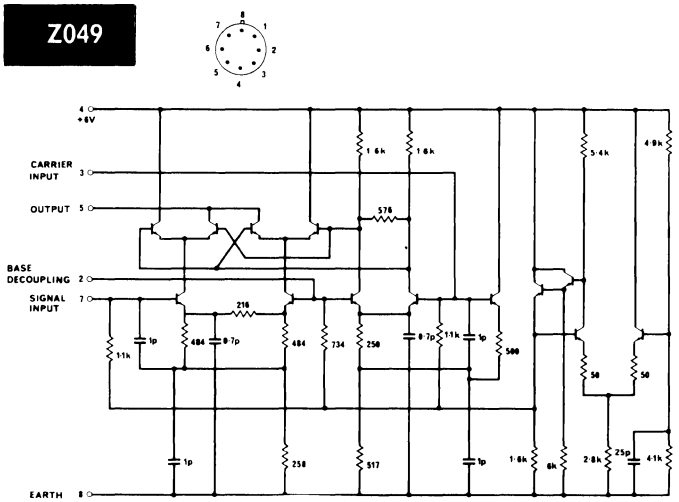
PACKAGE	NC	BAL	NC	IN	V-		BOOST	OUT	V+	BAL	NC
CN		BAL	NC	IN	V-		BOOST	OUT	V+	BAL	
TO		1	2	3	4		5	6	7	8	9	10

Z048

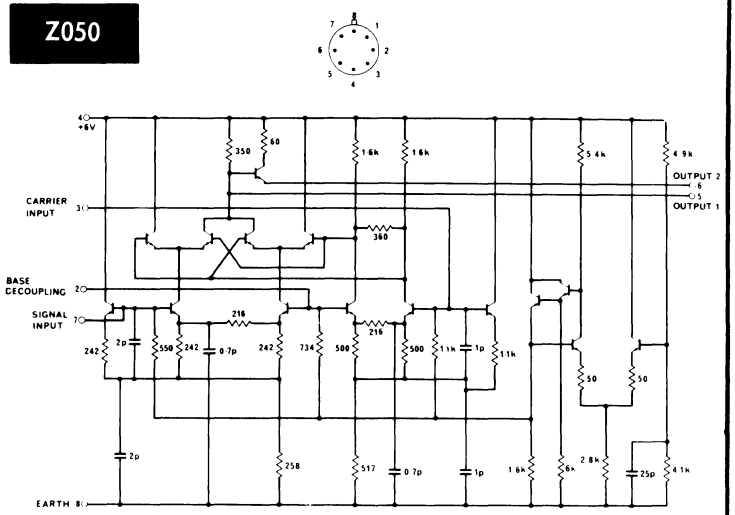
(Component values in brackets refer to **Z048a**



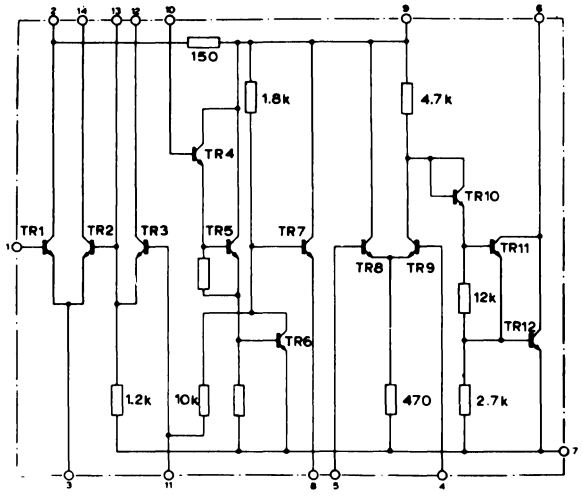
Z049



Z050

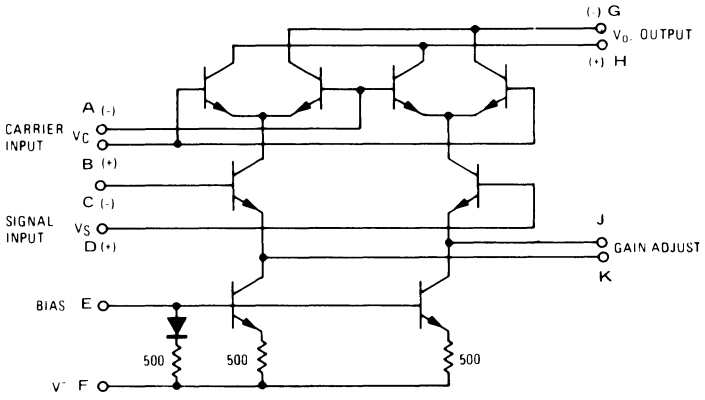


Z051

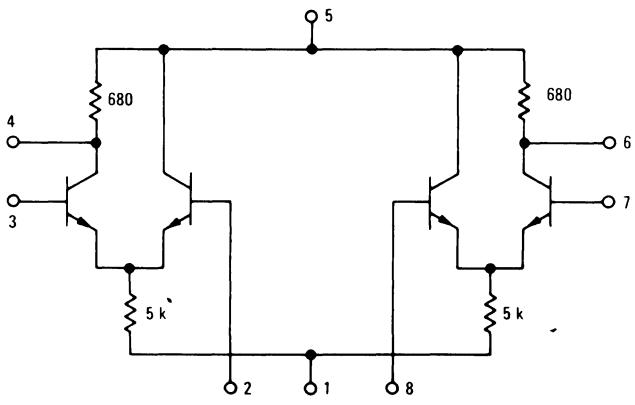


Z052

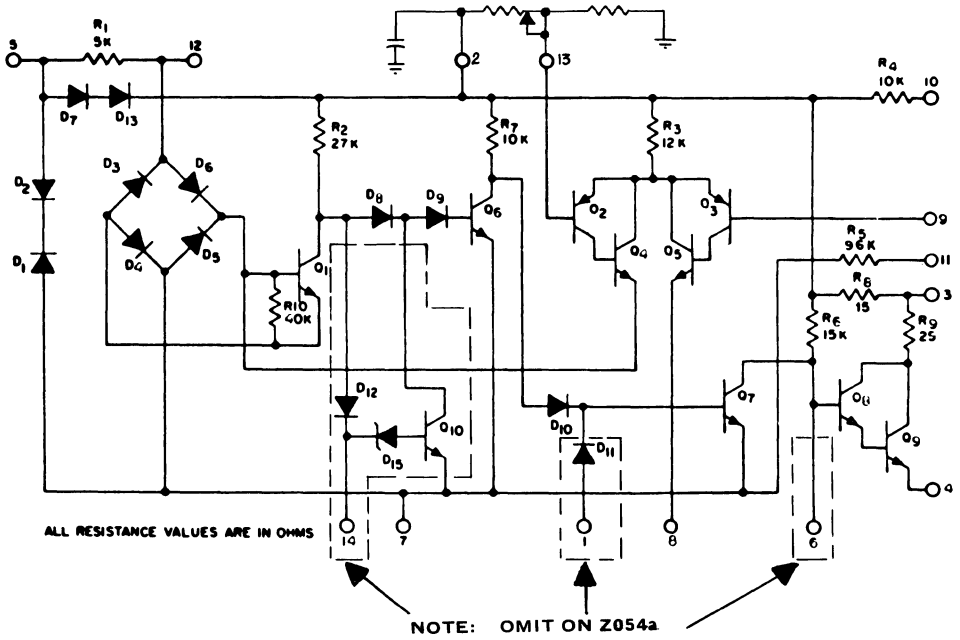
	PKG	A	B	C	D	E	F	G	H	J	K
Z052		8	7	4	1	5	10	9	6	2	3
Z052a	CN	8	7	4	1	5	10	9	6	2	3
	MP	10	8	4	1	5	14	12	6	2	3



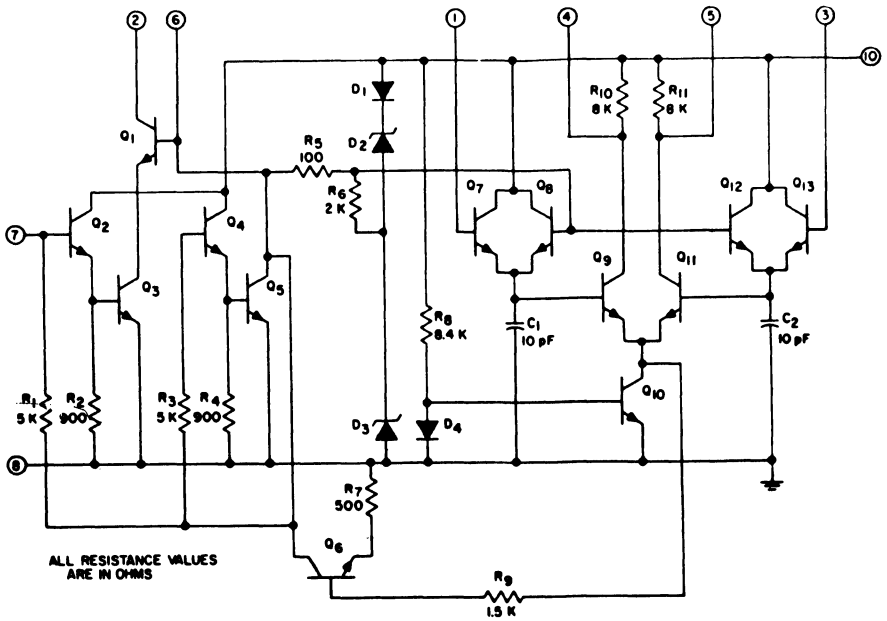
Z053



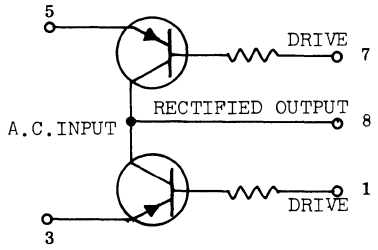
Z054



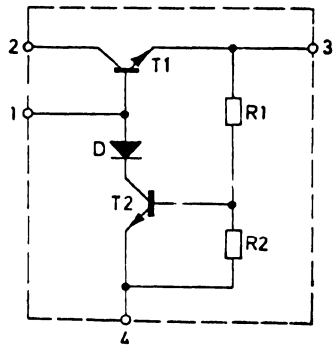
Z055



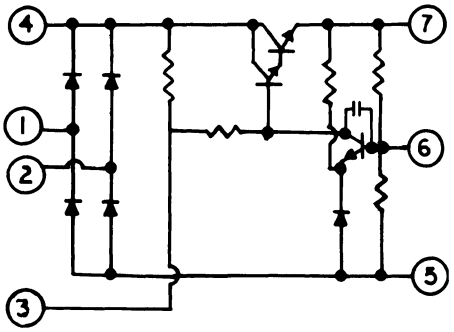
Z056



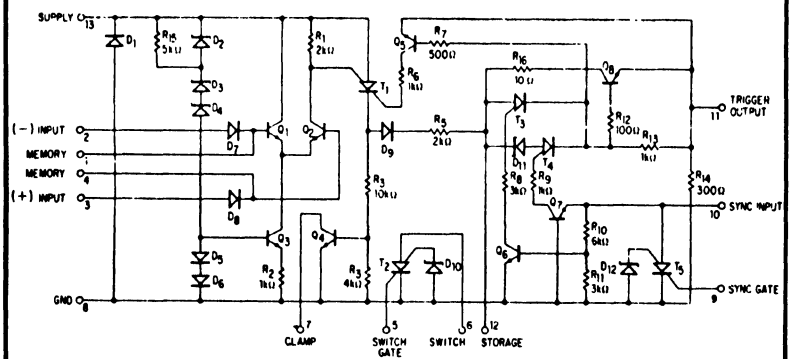
Z057



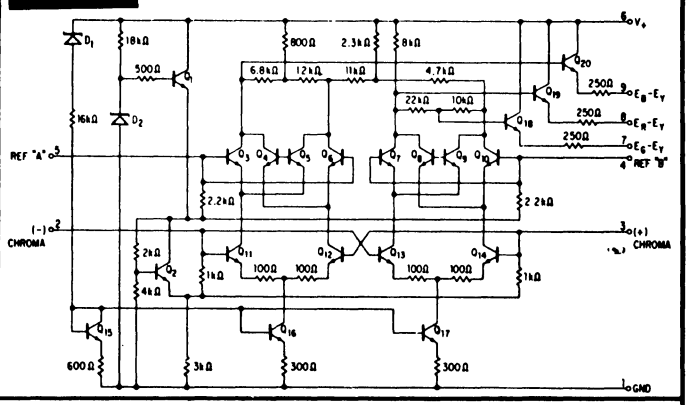
Z060



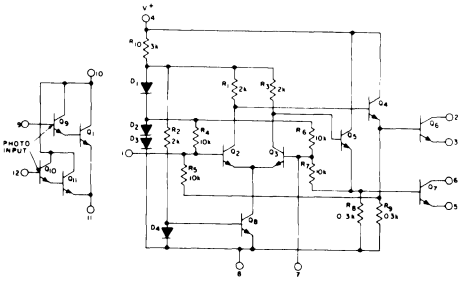
Z061



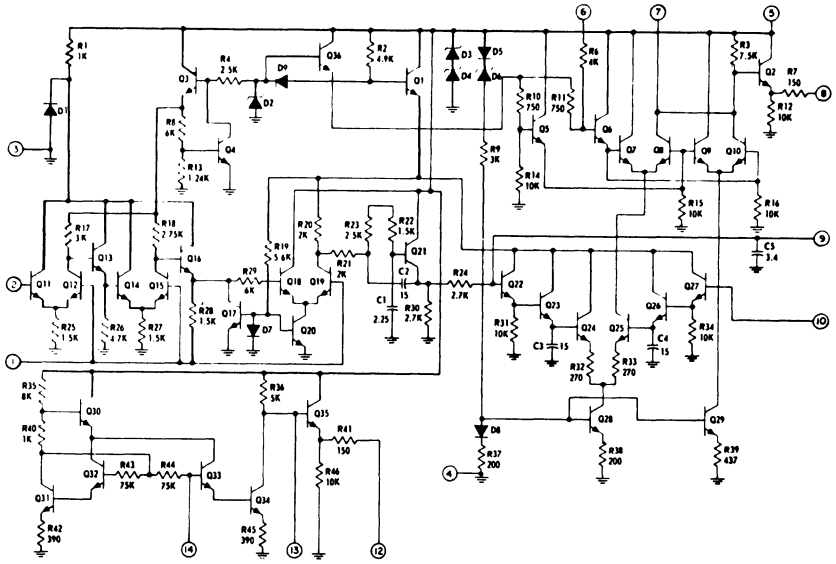
Z062



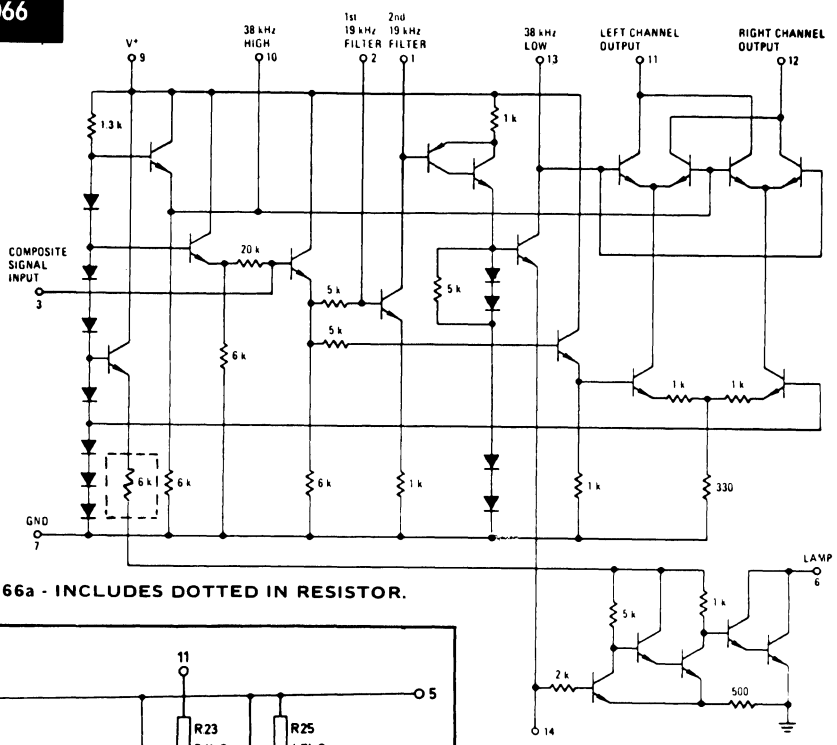
Z063



Z064

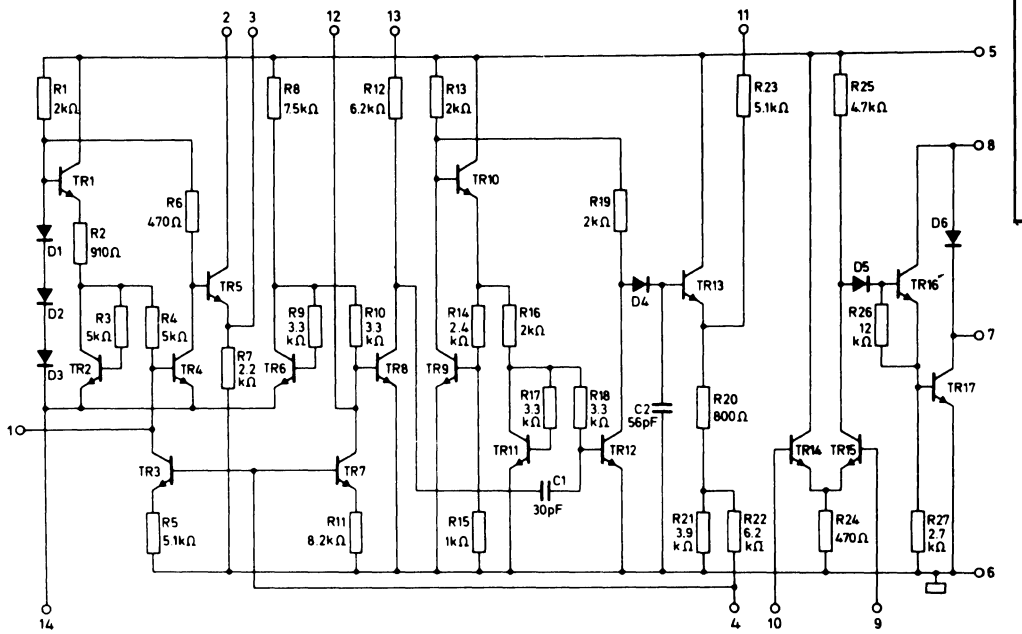


Z066

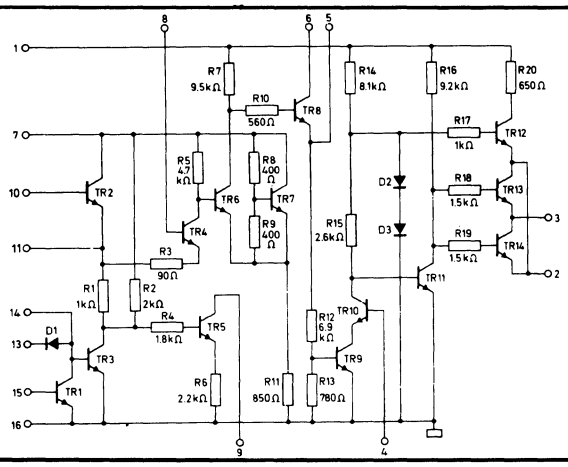


Z066a - INCLUDES DOTTED IN RESISTOR.

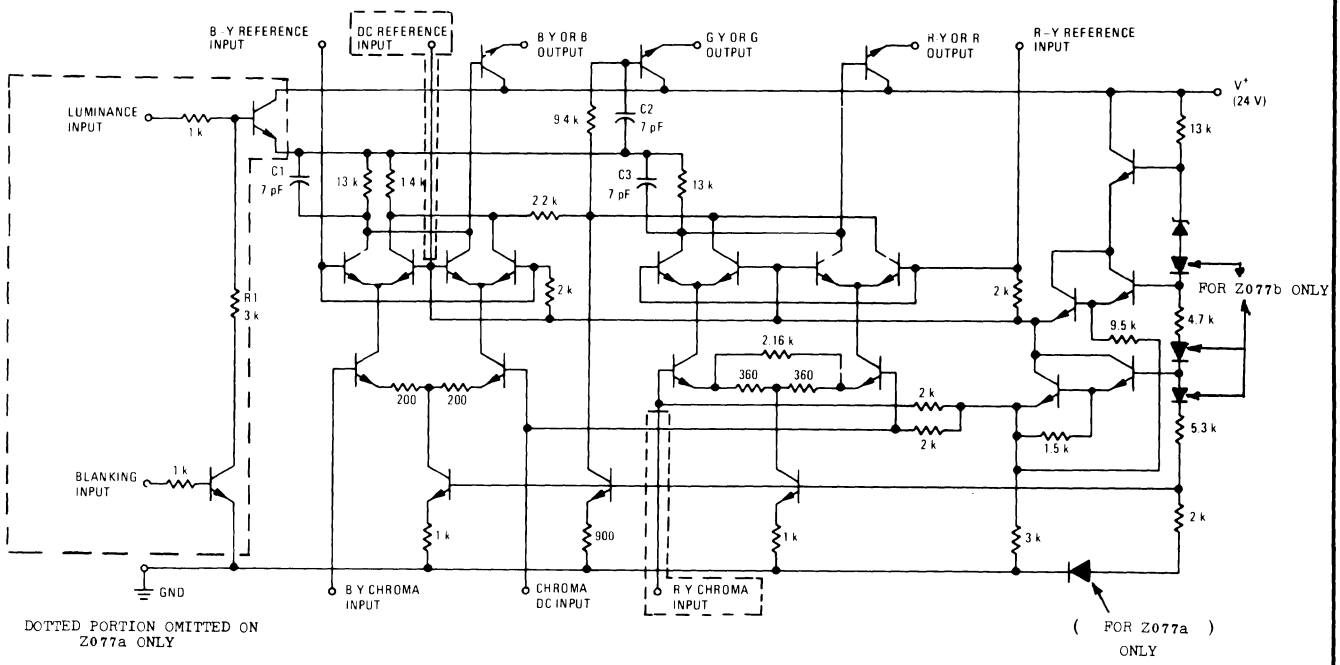
Z070



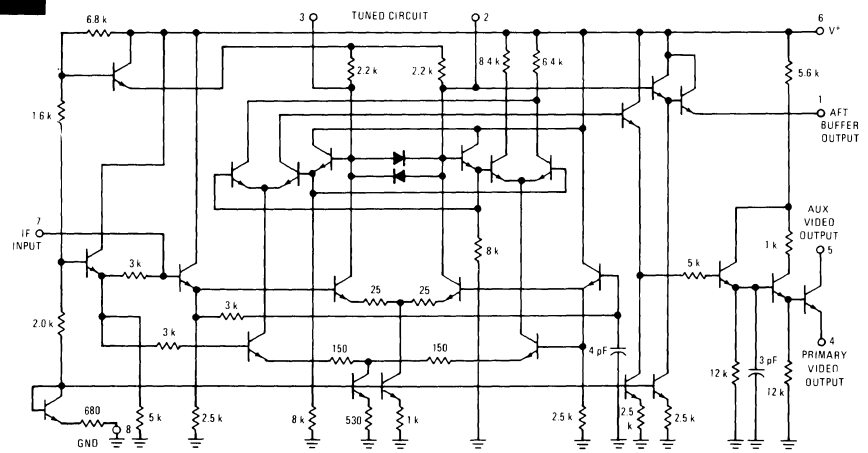
Z076



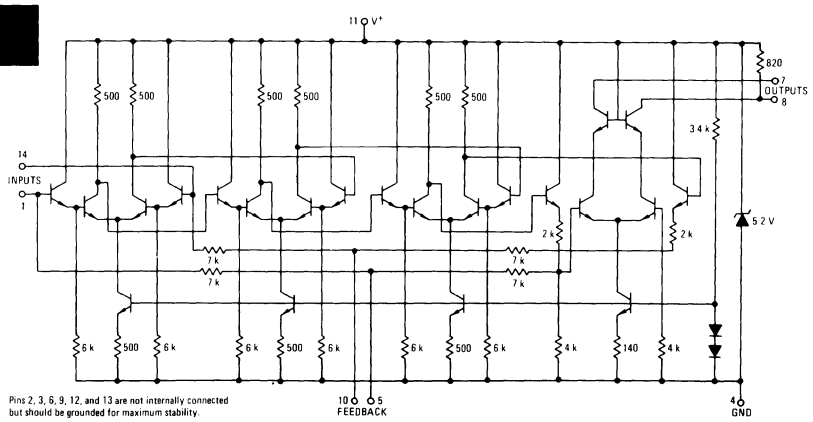
Z077



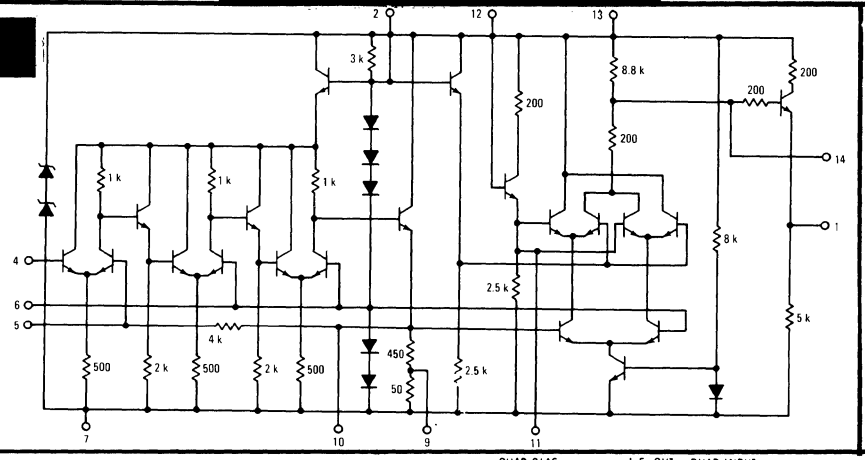
Z078



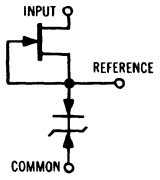
Z079



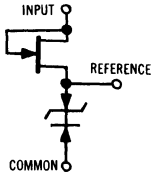
Z080



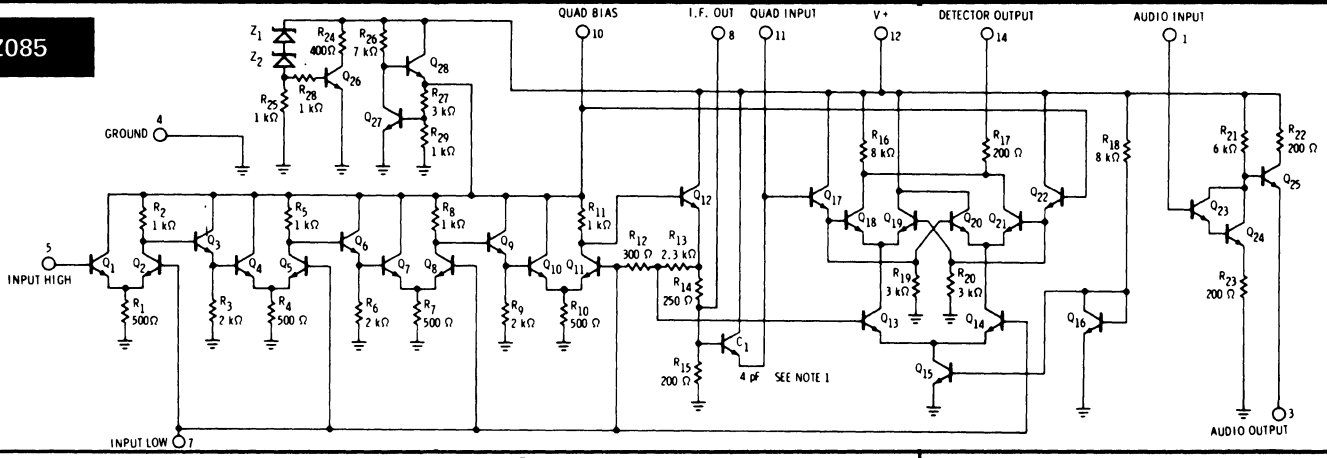
Z083



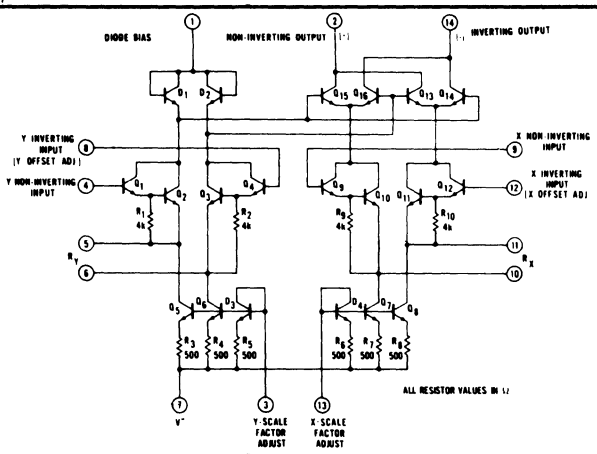
Z084



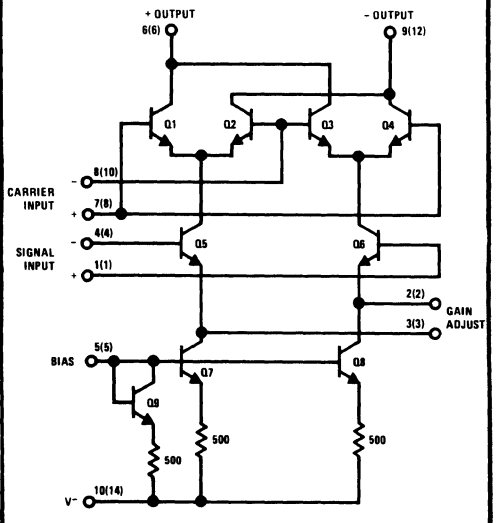
Z085



Z088

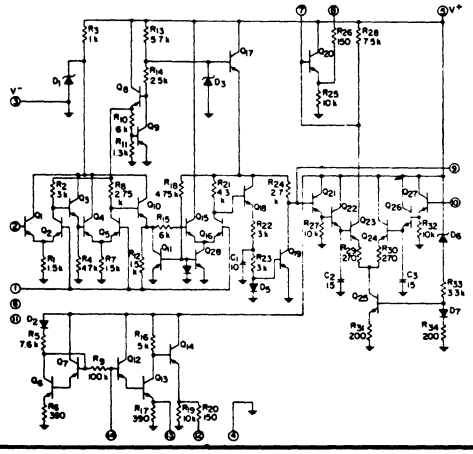


Z089



NOTE: NUMBERS IN PARENTHESES SHOW DIP CONNECTIONS

Z090

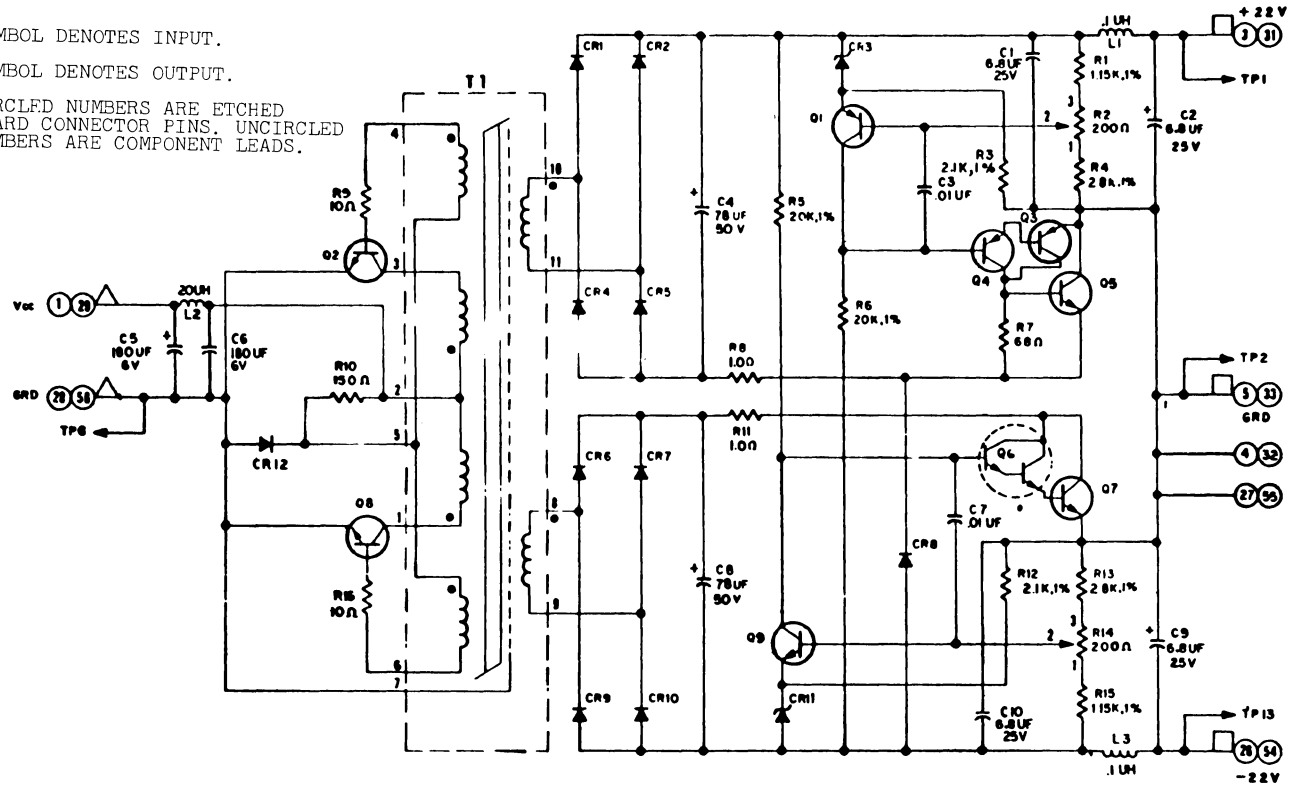


Z092

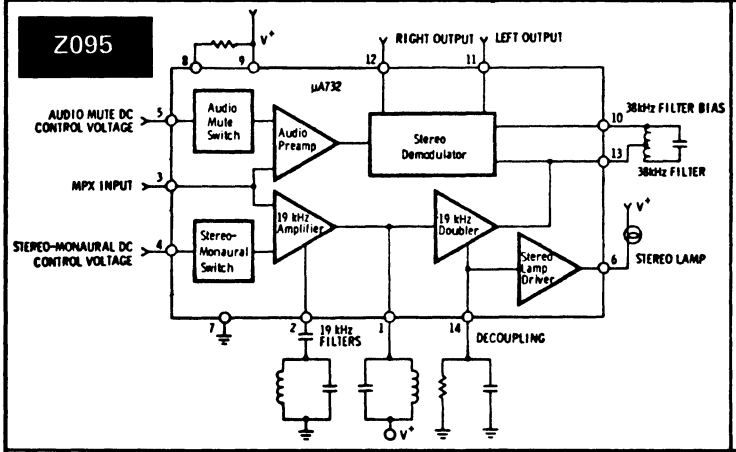
△ SYMBOL DENOTES INPUT.

□ SYMBOL DENOTES OUTPUT.

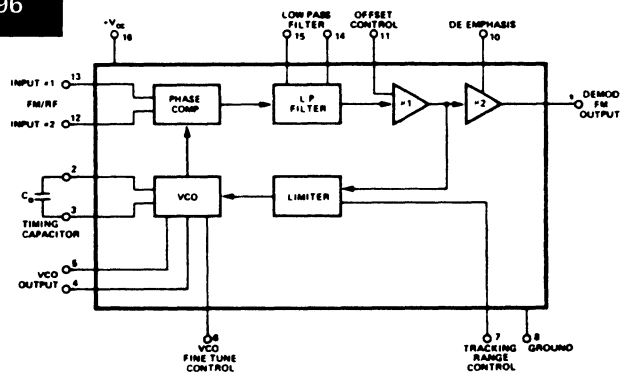
(28) CIRCLED NUMBERS ARE ETCHED BOARD CONNECTOR PINS. UNCIRCLED NUMBERS ARE COMPONENT LEADS.



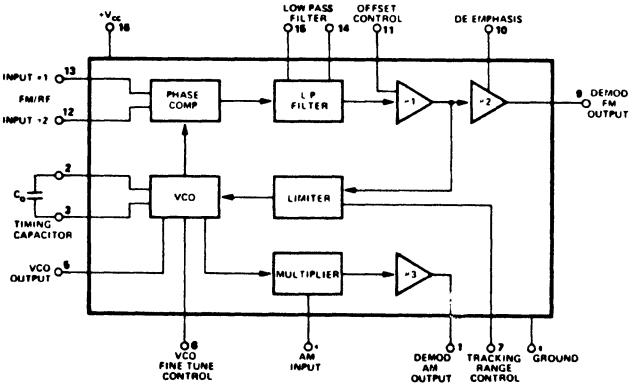
Z095



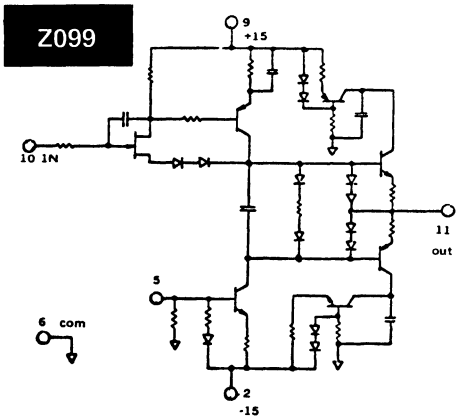
Z096



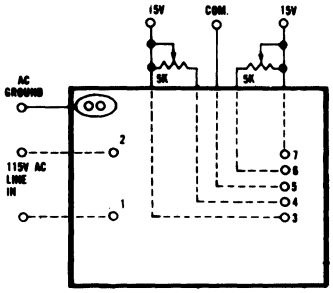
Z097



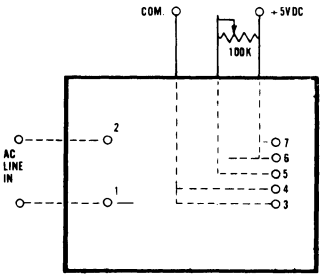
Z099



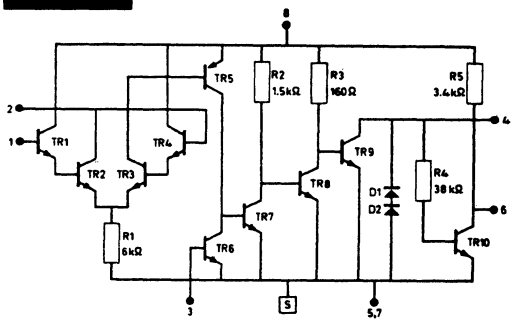
Z100



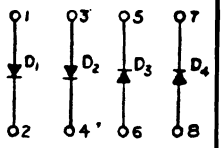
Z102



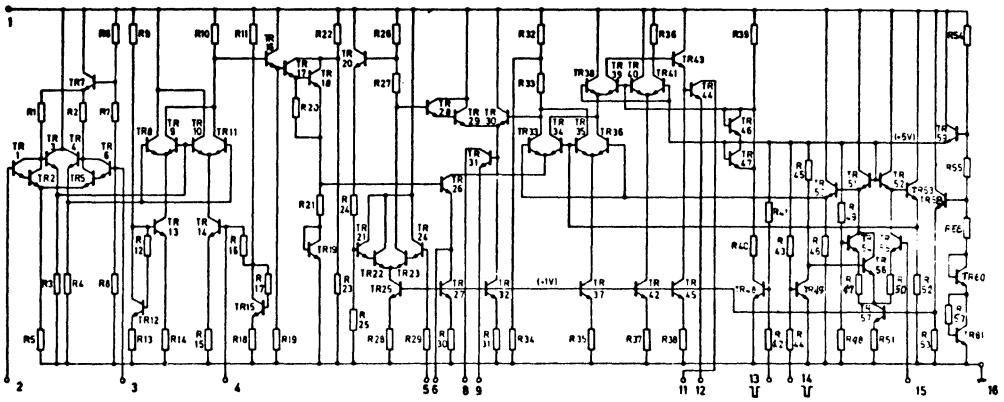
Z104



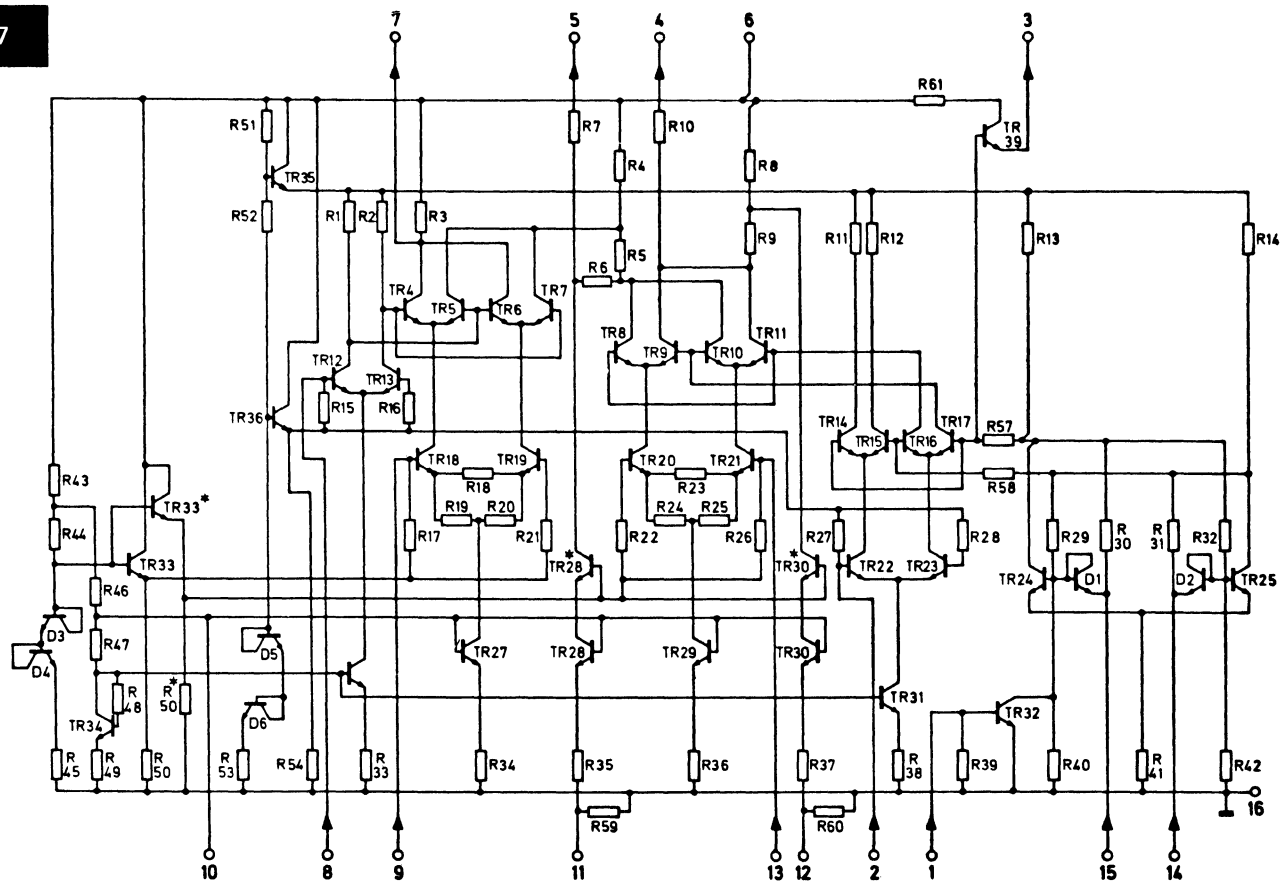
Z105



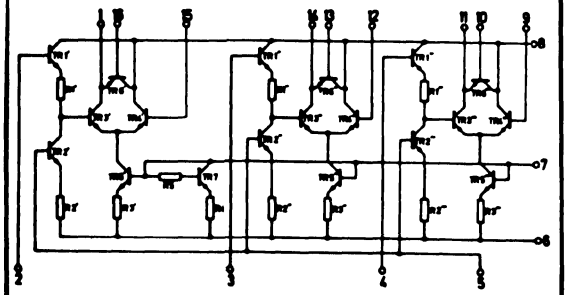
Z106



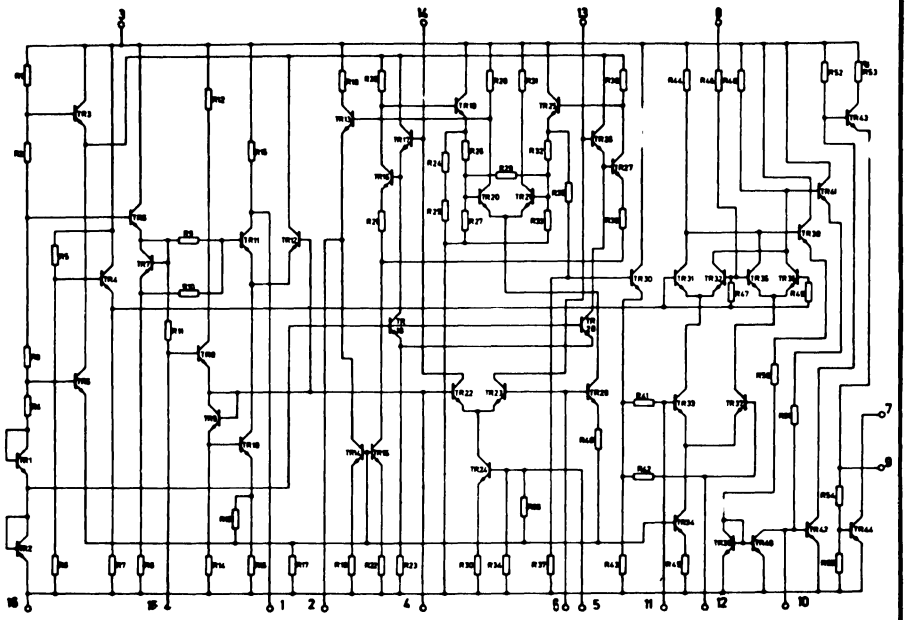
Z107



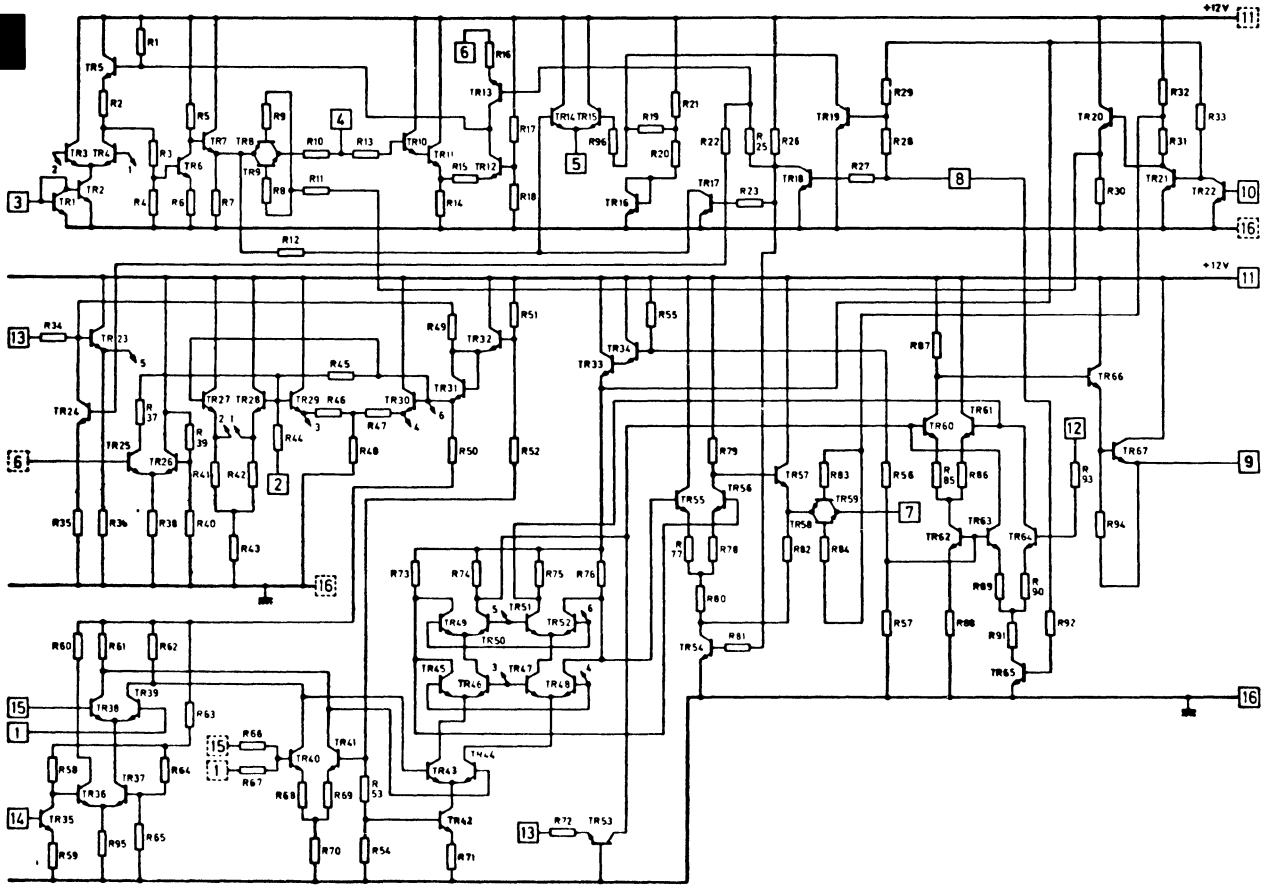
Z108



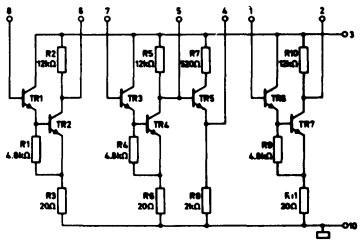
Z109



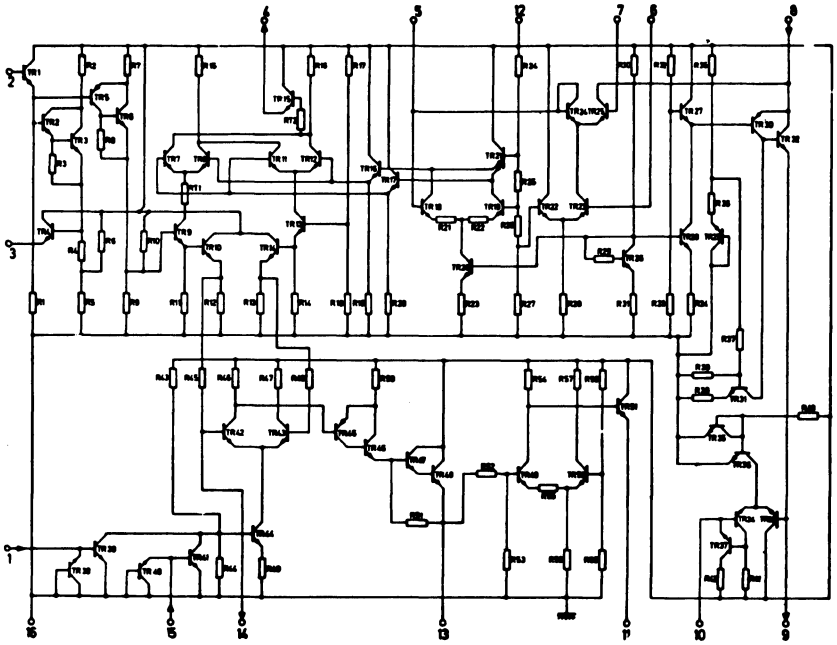
Z110



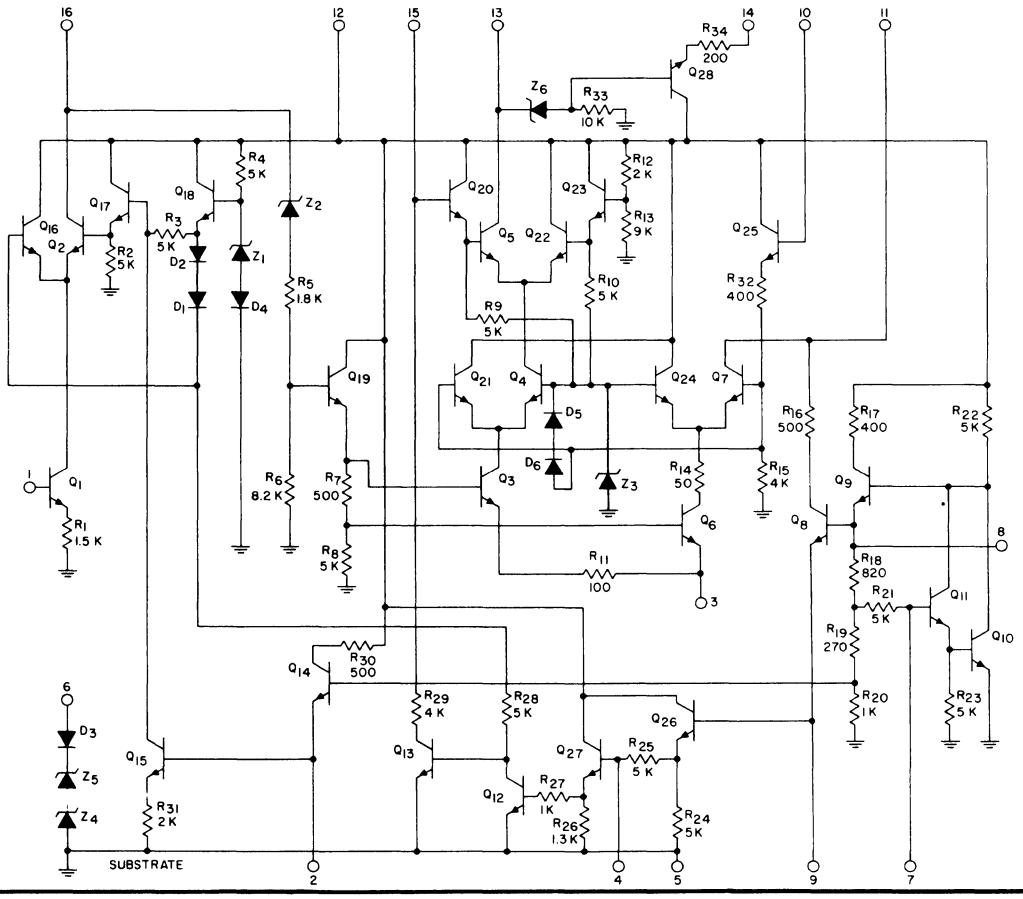
Z115



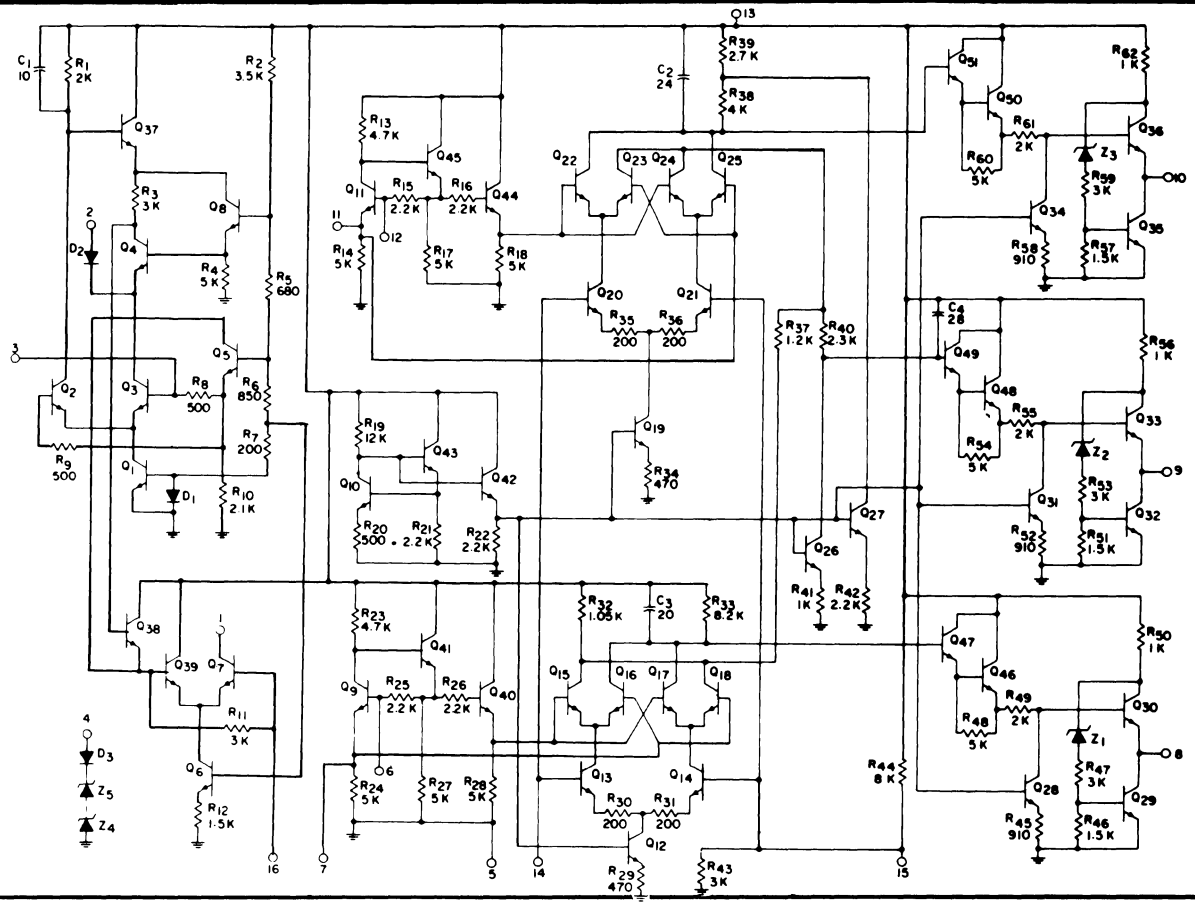
Z116



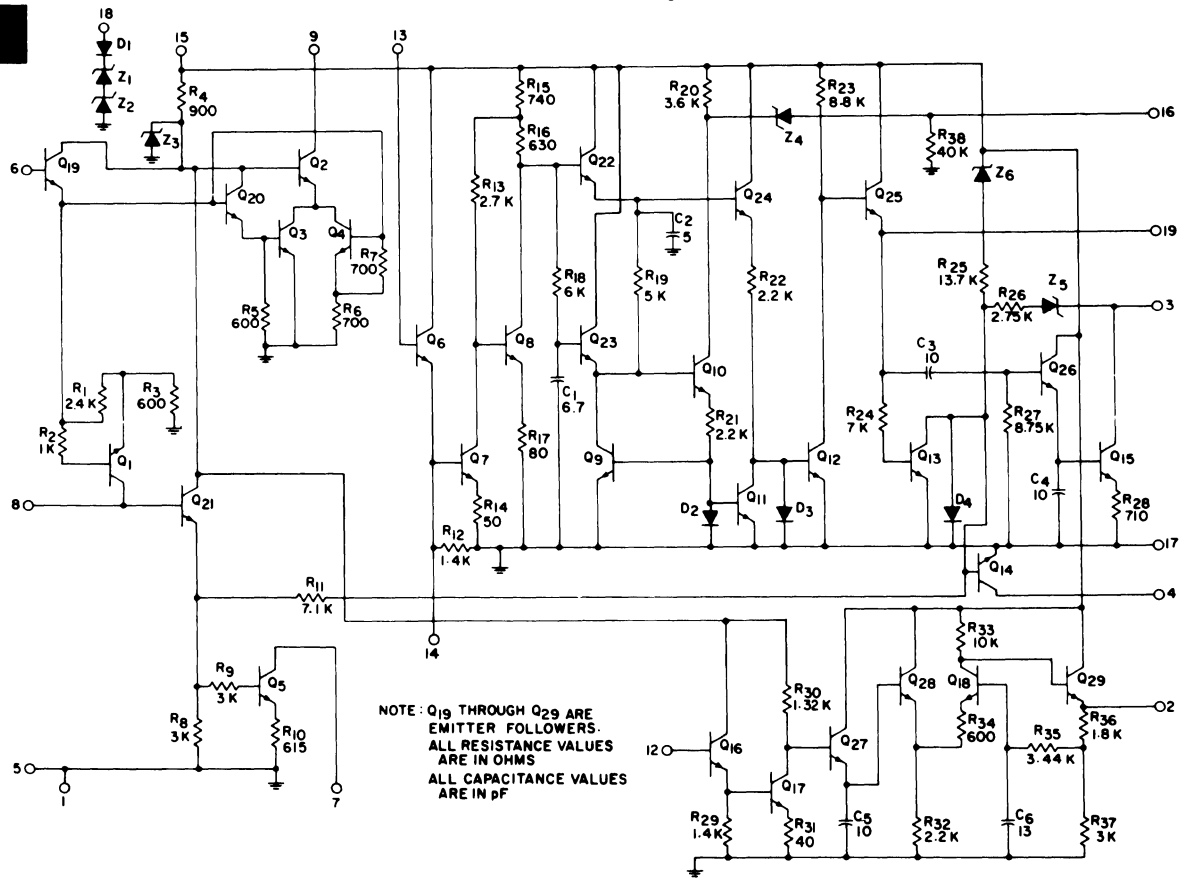
Z118



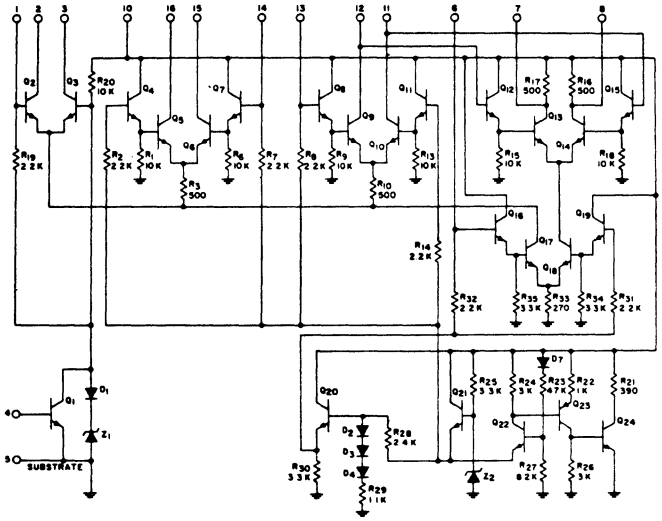
Z119


C1 10
R1 2K
R2 3.5K
Q37
R3 3K
Q8
Q4
D2
R4 5K
R5 680
Q5
Q2
Q3
R8 500
R6 850
R7 200
R9 500
Q1
D1
R10 2.1K
Q38
Q39
Q7
R11 3K
Q6
R12 1.5K
D3
Z5
Z4
R13 4.7K
Q45
Q11
R15 2.2K
R16 2.2K
Q44
R14 5K
R17 5K
R18 5K
C2 24
R39 2.7K
R38 4K
Q22
Q23
Q24
Q25
Q20
Q21
R35 200
R36 200
R19 12K
Q43
Q10
Q42
R20 500
R21 2.2K
R22 2.2K
Q19
R34 470
R23 4.7K
Q41
Q9
R25 2.2K
R26 2.2K
Q40
R24 5K
R27 5K
R28 5K
R32 1.05K
C3 20
R33 8.2K
Q15
Q16
Q17
Q18
Q13
Q14
R30 200
R31 200
Q12
R29 470
R43 3K
R37 1.2K
R40 2.3K
Q27
Q26
R41 1K
R42 2.2K
R44 8K
Q51
Q50
R61 2K
R60 5K
R62 1K
Q36
Z3
R59 3K
Q34
Q35
R58 910
R57 1.5K
C4 28
Q49
Q48
R55 2K
R54 5K
R56 1K
Q33
Z2
R53 3K
Q31
Q32
R52 910
R51 1.5K
Q47
Q46
R49 2K
R48 5K
R50 1K
Q30
Z1
R47 3K
Q28
Q29
R45 910
R46 1.5K
13
10
11
12
2
3
4
1
16
7
5
14
15
9
8
6

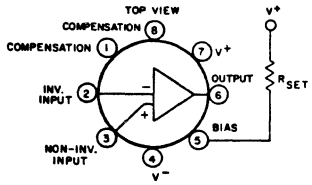
Z120

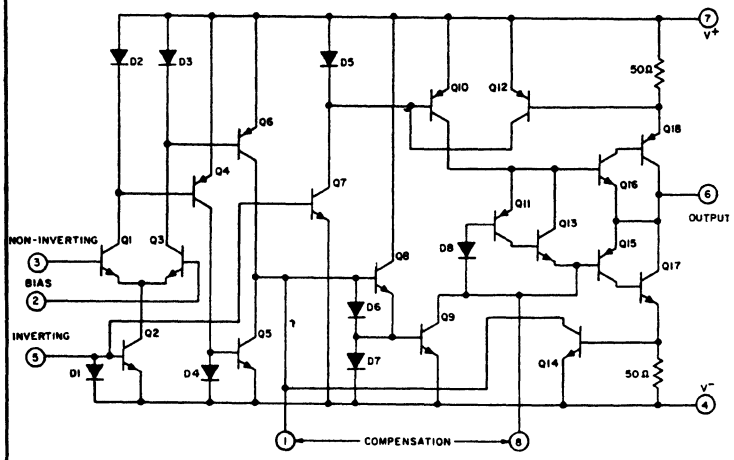

D1
Z1
Z2
Z3
R4 900
Q19
Q2
Q20
Q3
Q4
R7 700
R5 600
R6 700
R1 2.4K
R3 600
R2 1K
Q1
Q21
R9 3K
Q5
R8 3K
R10 615
R15 740
R16 630
Q22
R13 2.7K
Q6
Q8
Q7
R17 80
R14 50
R12 1.4K
R11 7.1K
C1 6.7
R18 6K
R19 5K
R20 3.6K
Z4
R23 8.8K
Q24
Q25
C2 5
R22 2.2K
Q10
Q23
R21 2.2K
Q9
Q12
Q11
D2
D3
R38 40K
Z6
R25 13.7K
R26 2.75K
Z5
C3 10
Q26
R24 7K
R27 8.75K
Q13
Q15
C4 10
R28 710
D4
Q14
R33 10K
Q28
Q18
Q29
R30 1.32K
R34 600
R35 3.44K
R36 1.8K
Q16
Q27
Q17
R29 1.4K
R31 40
C5 10
R32 2.2K
C6 13
R37 3K
NOTE: Q19 THROUGH Q29 ARE EMITTER FOLLOWERS.
ALL RESISTANCE VALUES ARE IN OHMS
ALL CAPACITANCE VALUES ARE IN pF
18
15
9
13
16
19
3
17
4
14
2
12
6
8
5
1
7

Z121

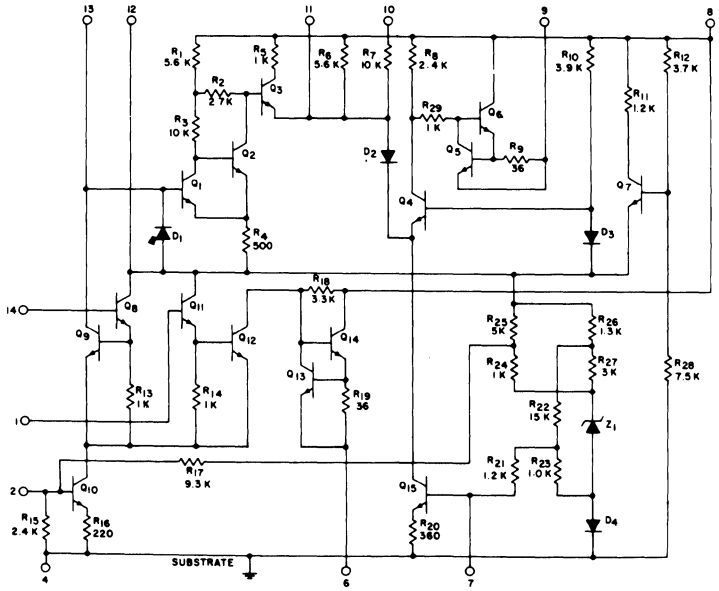


Z122

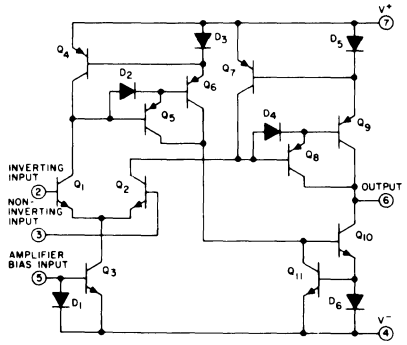




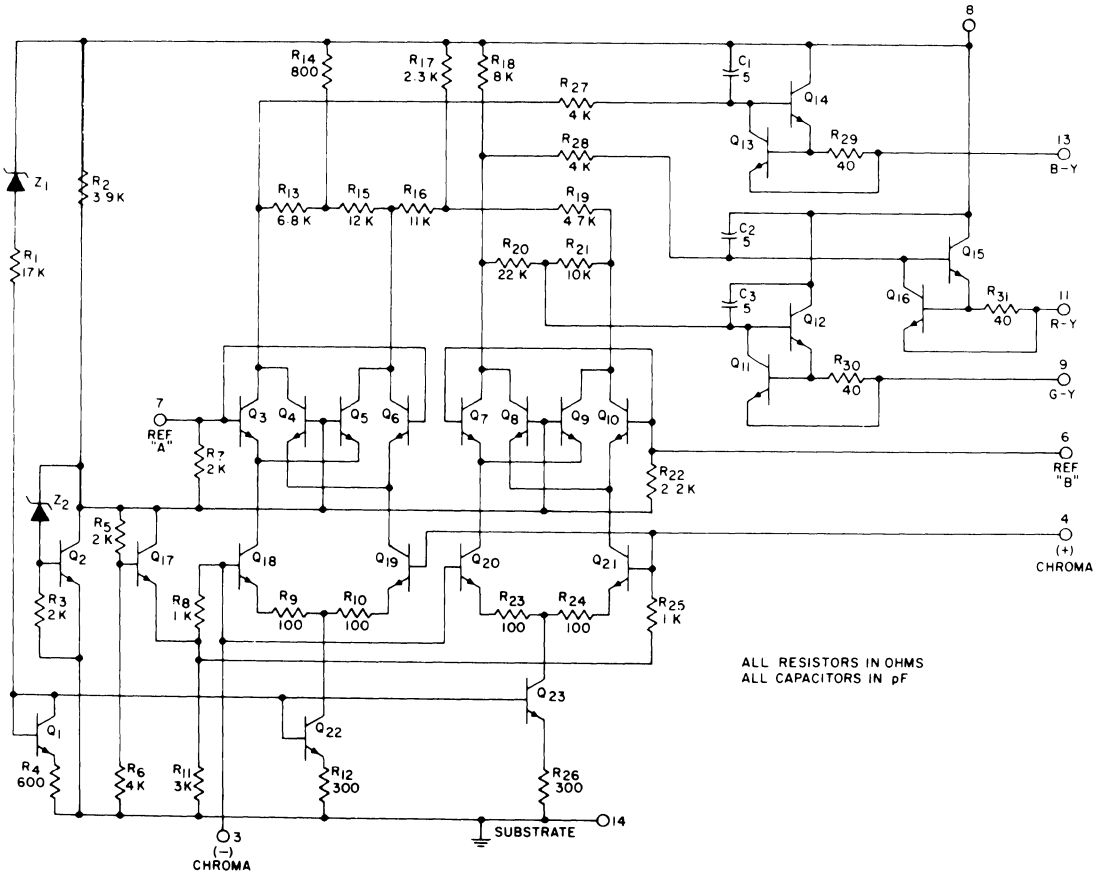
Z123



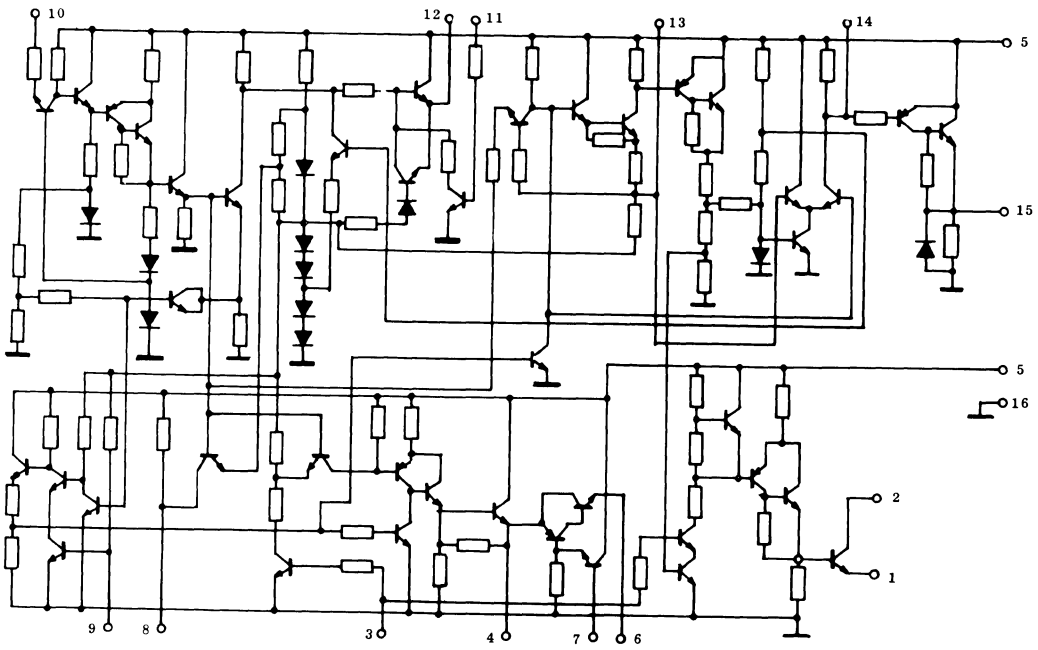
Z124



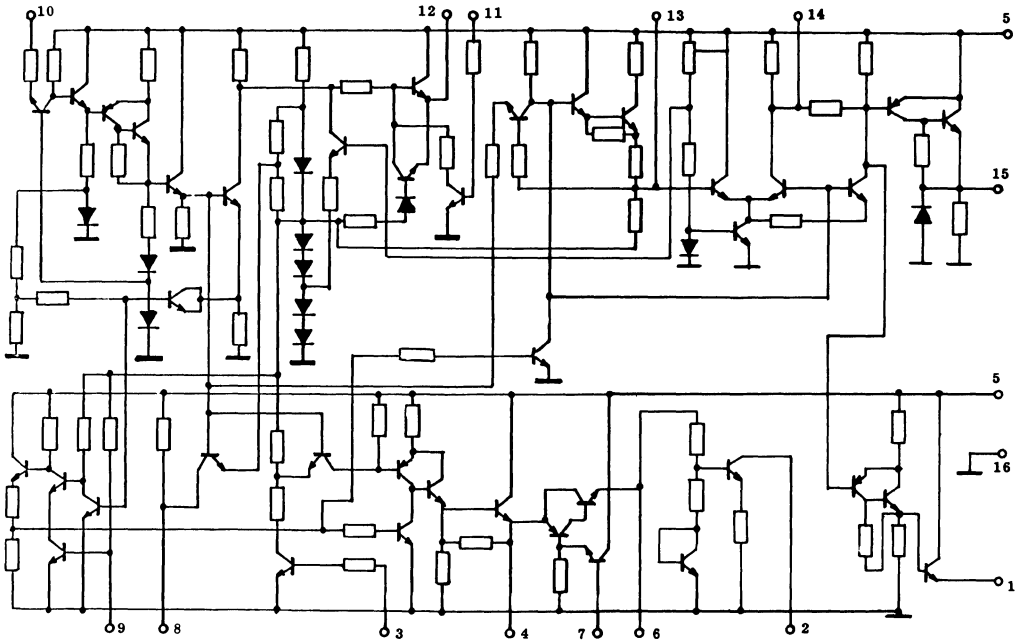
Z125


R14 800
R17 2.3K
R18 8K
C1 5
R27 4K
Q14
R28 4K
Q13
R29 40
13 B-Y
Z1
R2 3.9K
R13 6.8K
R15 12K
R16 11K
R19 4.7K
C2 5
Q15
R20 22K
R21 10K
R1 17K
C3 5
Q16
R31 40
11 R-Y
Q12
Q11
R30 40
9 G-Y
7 REF "A"
Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10
R7 2K
6 REF "B"
R22 2.2K
Z2
4 (+) CHROMA
R5 2K
Q2
Q17
Q18
Q19
Q20
Q21
R3 2K
R8 1K
R9 100
R10 100
R23 100
R24 100
R25 1K
ALL RESISTORS IN OHMS
ALL CAPACITORS IN pF
Q23
Q1
Q22
R4 600
R6 4K
R11 3K
R12 300
R26 300
3 (−) CHROMA
SUBSTRATE
14

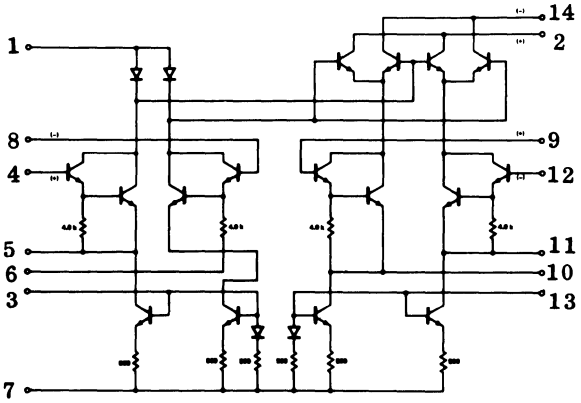
Z126


10
12
11
13
14
5
15
5
16
2
1
9
8
3
4
7
6

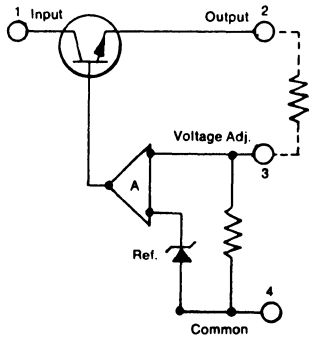
Z127



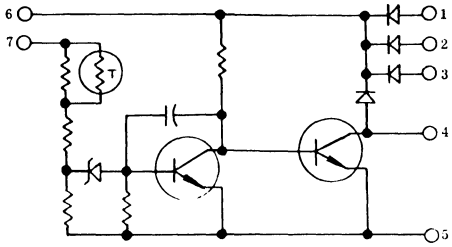
Z128



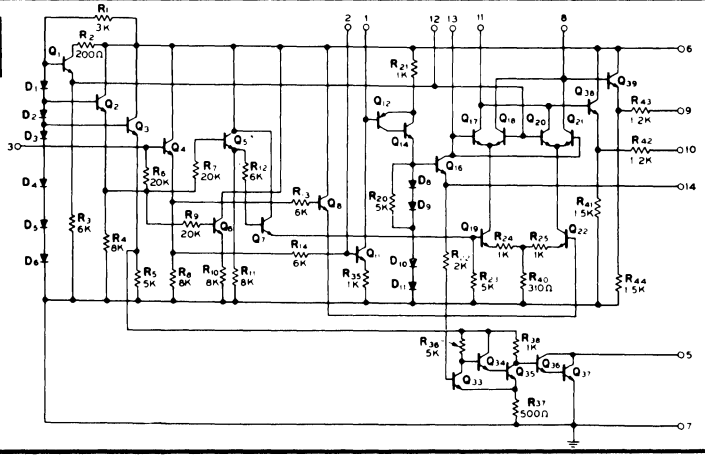
Z129



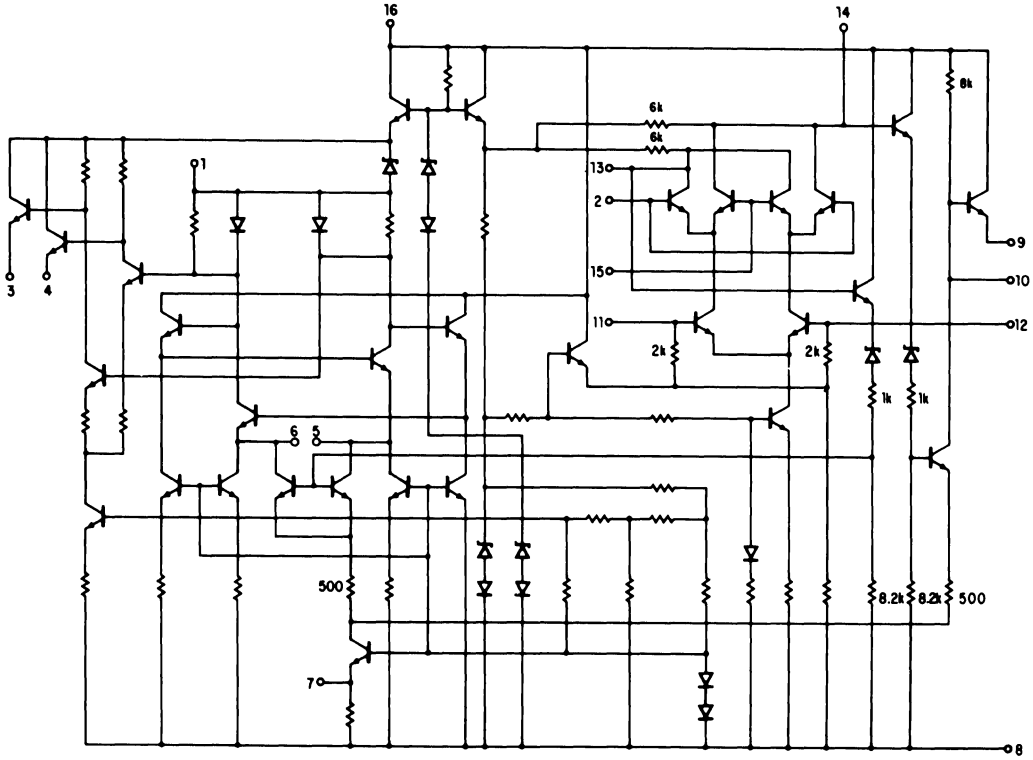
Z130



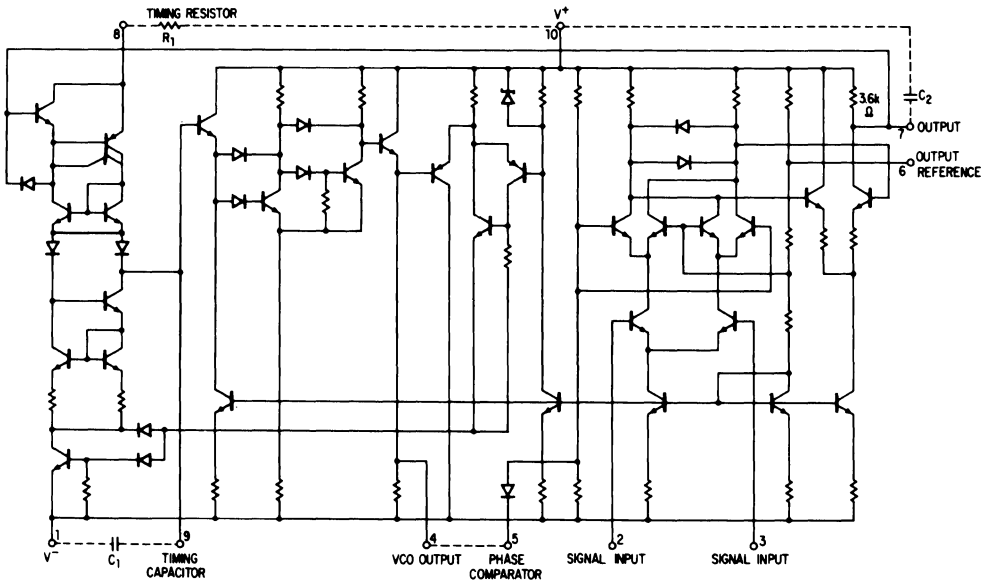
Z132



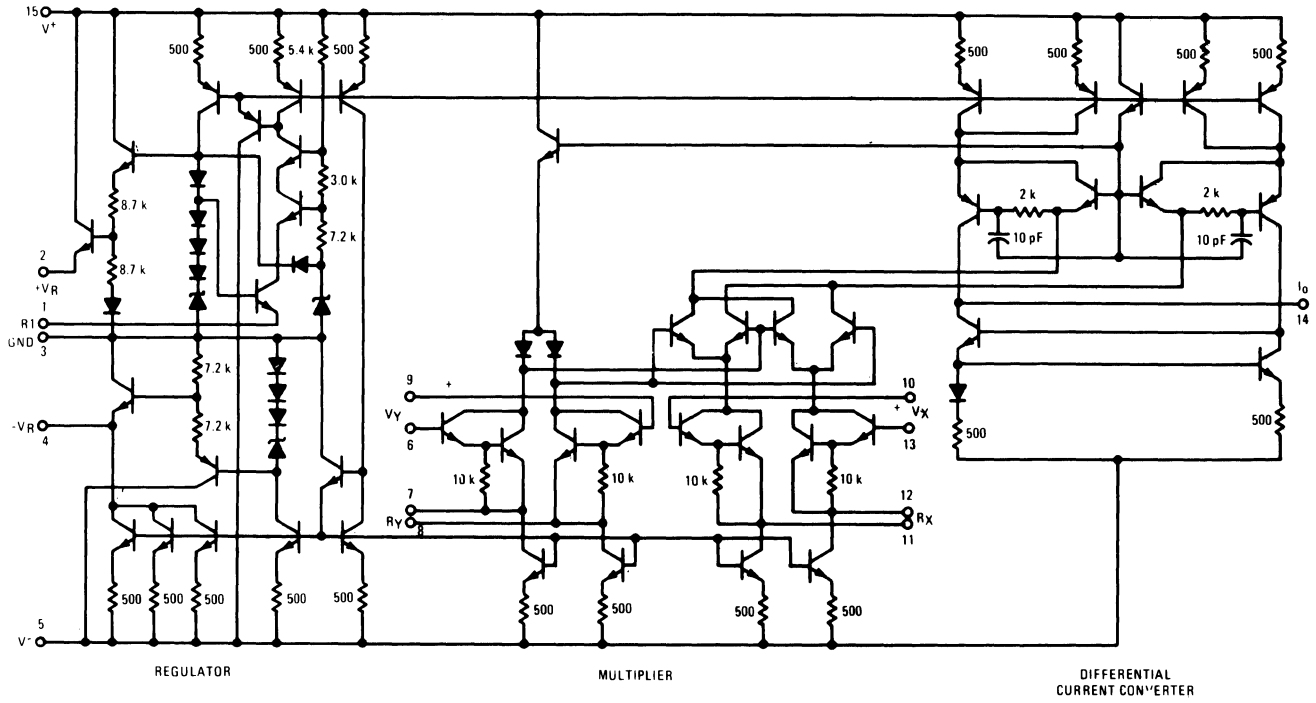
Z134


16
14
8k
6k
6k
13
2
1
3
4
9
10
15
11
12
2k
2k
1k
1k
6
5
500
8.2k
8.2k
500
7
8

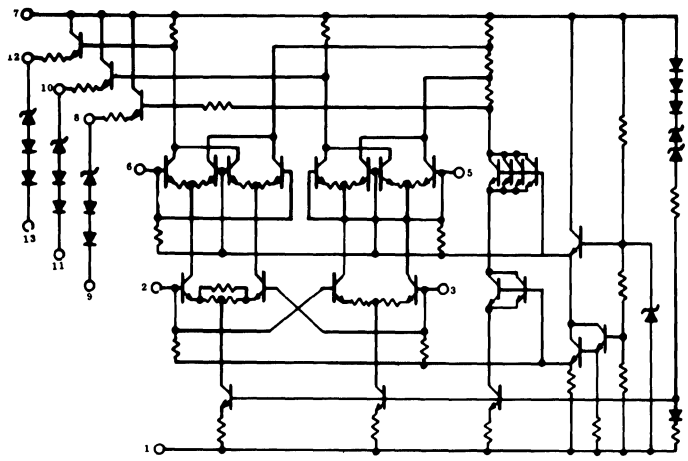
Z135


TIMING RESISTOR
R1
8
V+
10
3.6k Ω
C2
7
OUTPUT
6
OUTPUT REFERENCE
1
V−
C1
9
TIMING CAPACITOR
4
VCO OUTPUT
5
PHASE COMPARATOR
2
SIGNAL INPUT
3
SIGNAL INPUT

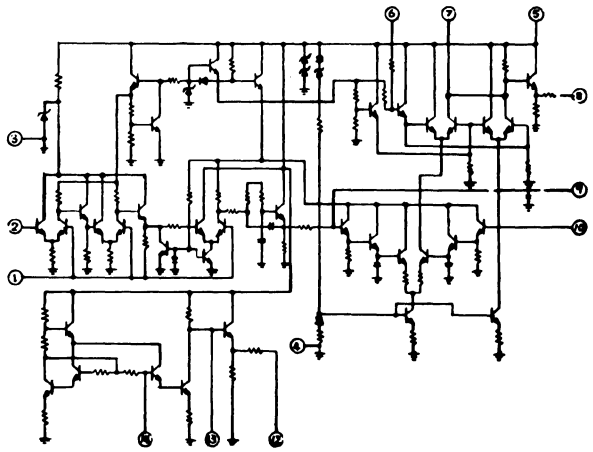
Z136



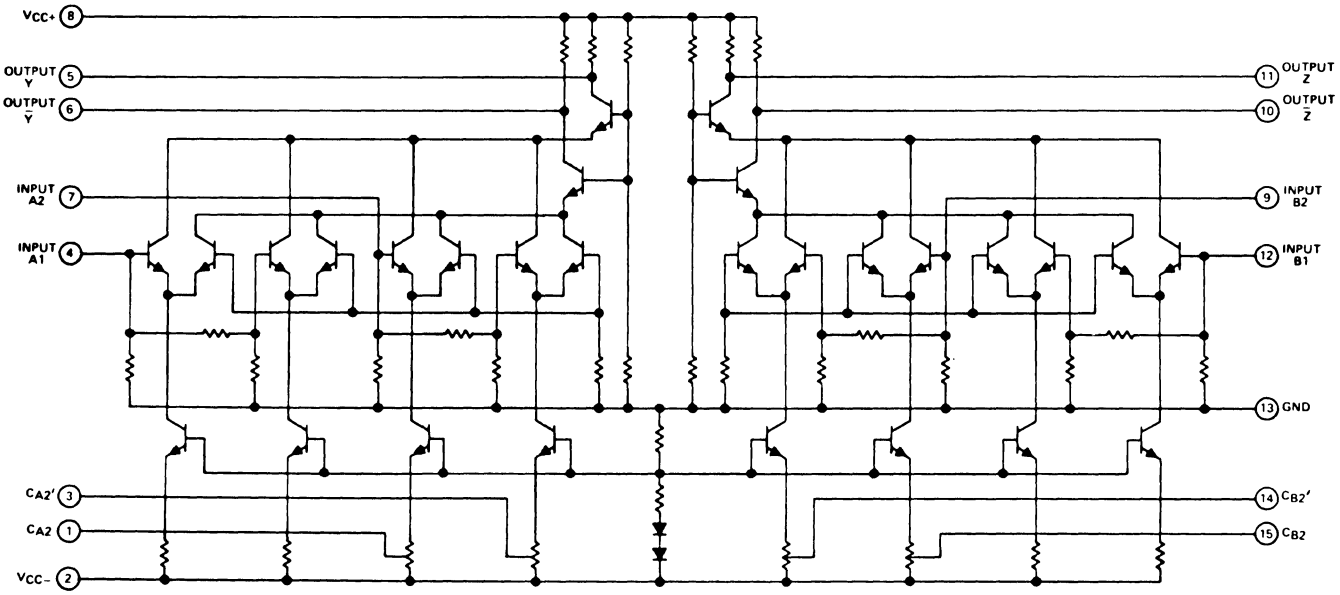
Z141



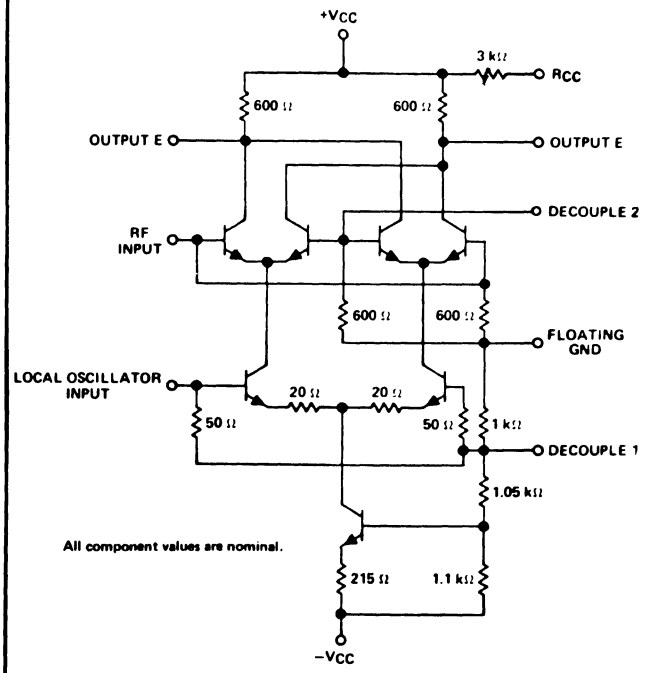
Z142



Z143

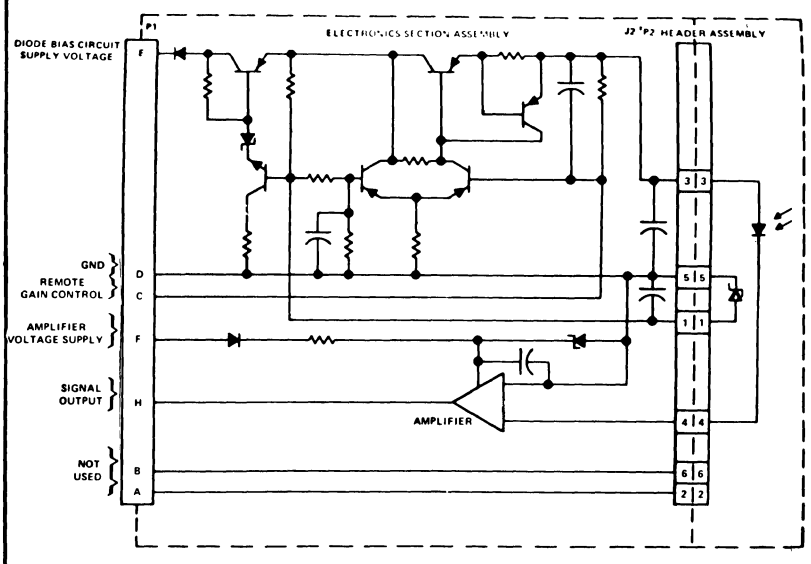


Z144

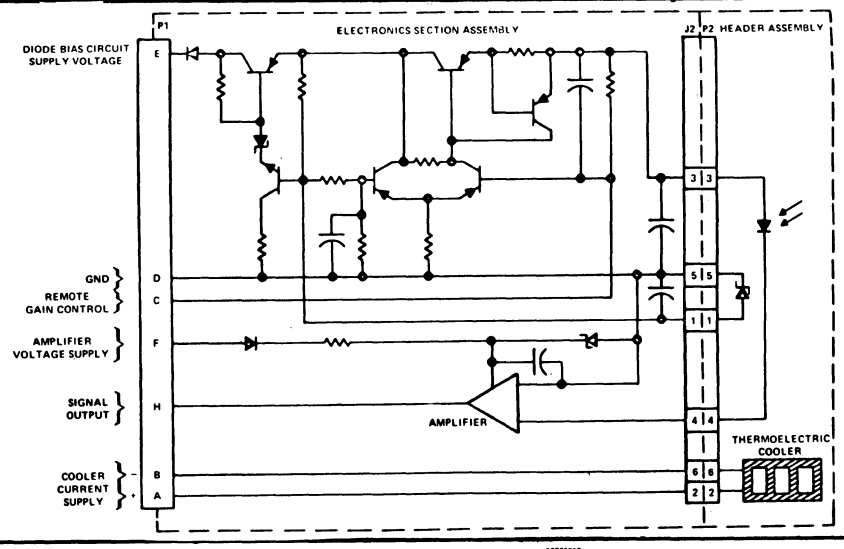


	PKG	VI	V-	OUTPUT E	OUTPUT Ē	FLOAT COM	LOCAL OSC. IN	DECOUPLE 1	DECOUPLE 2	RF IN	RCC
Z144	TO100	1	5	2	10	3	4	6	7	8	9
	MP	2	6	3	13	4	5	9	10	11	12

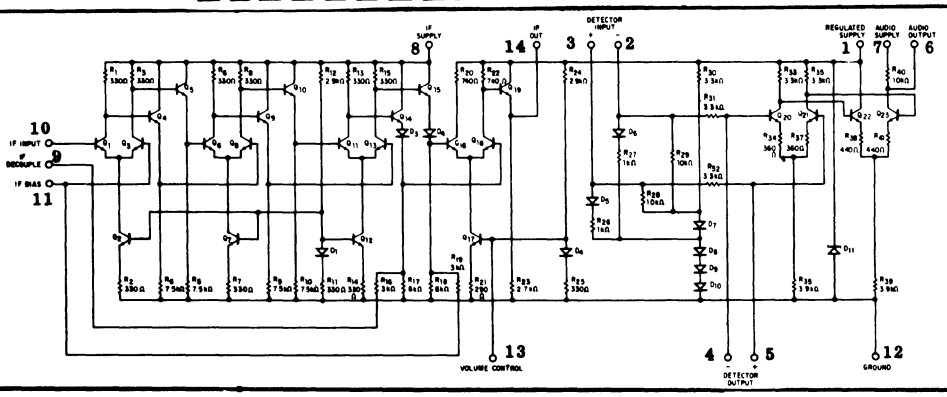
Z145



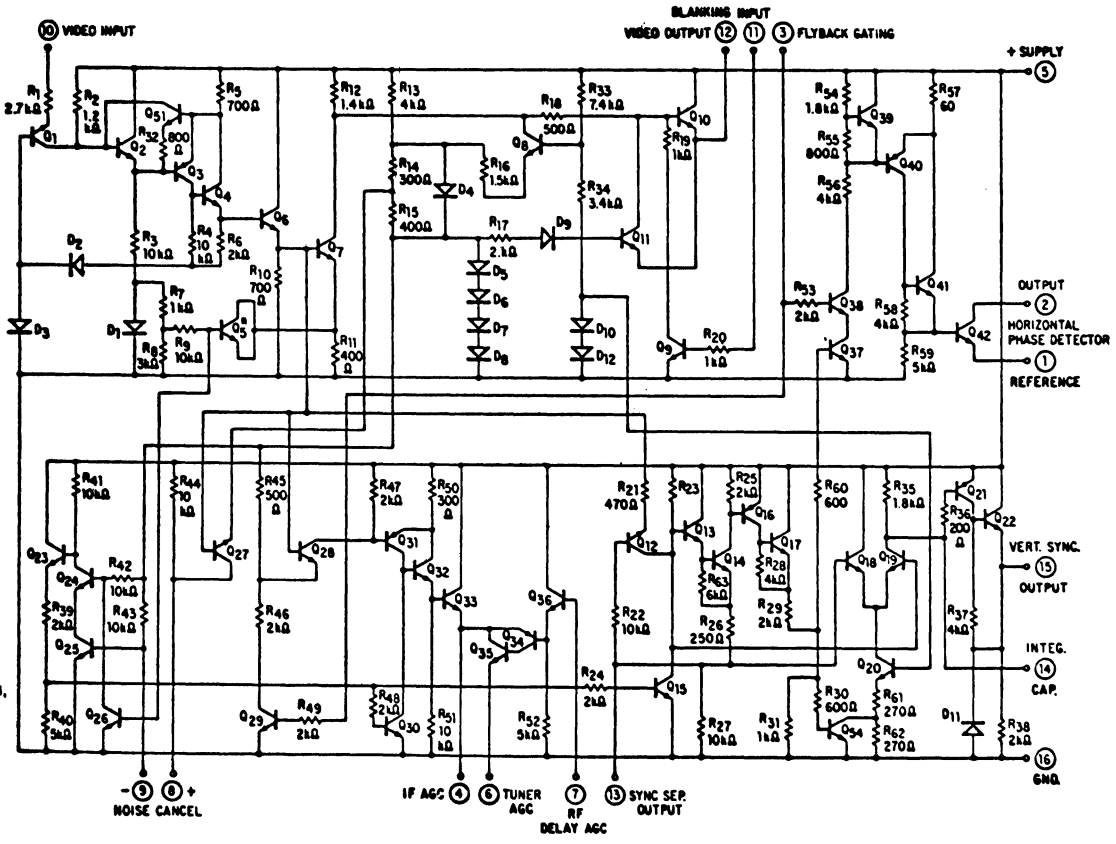
Z146



Z147

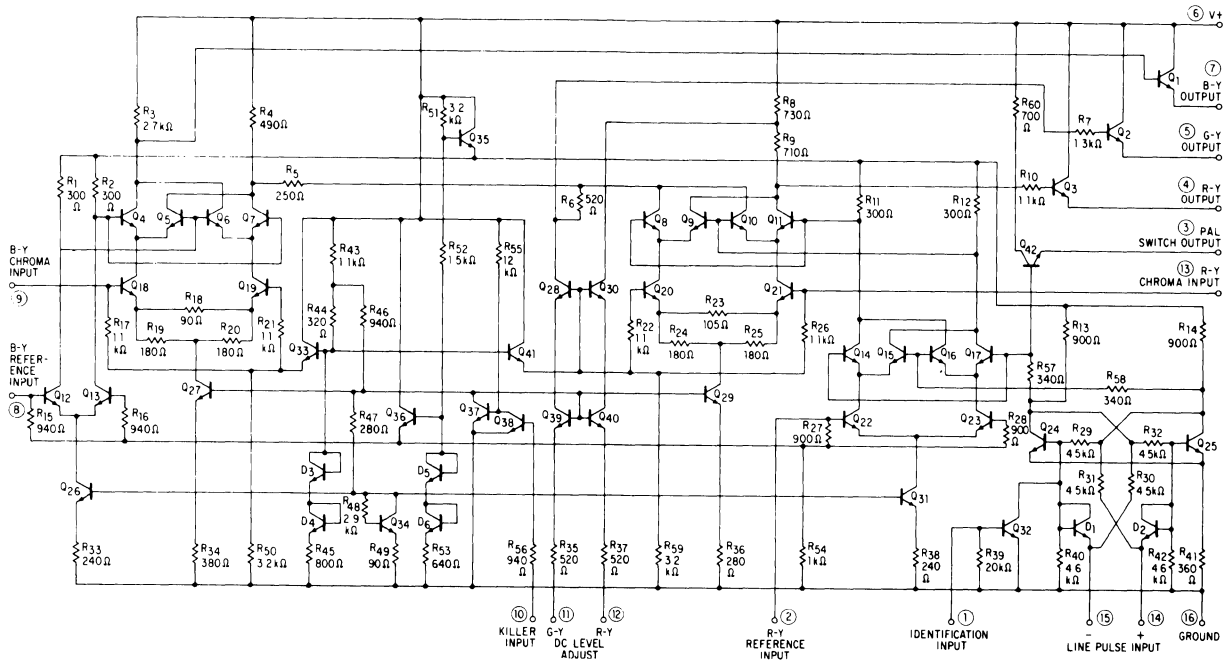


Z148

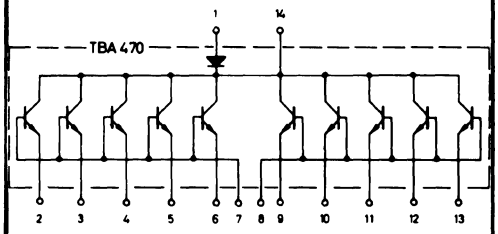


• NOTE: Q_3 IS A REVERSE BIASED E-B JUNCTION, USED AS A 5pF CAPACITOR.

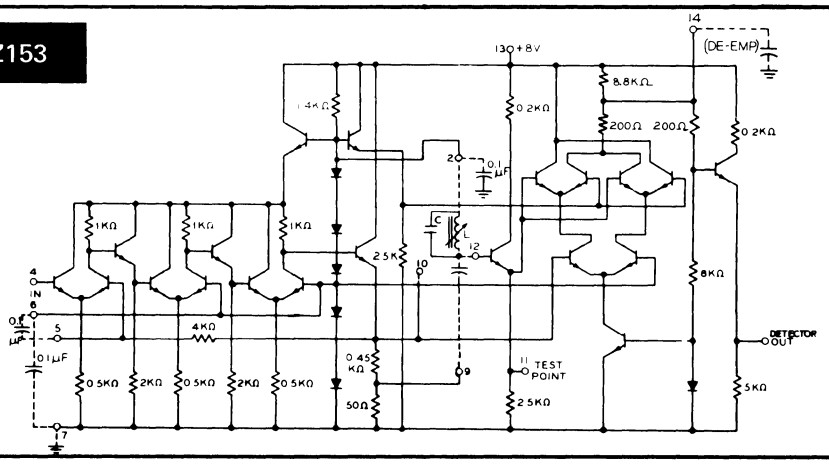
Z149



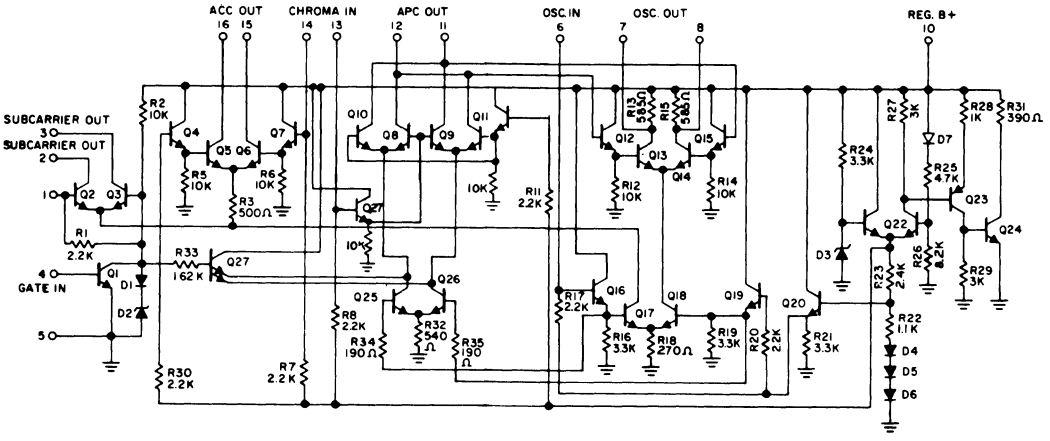
Z150



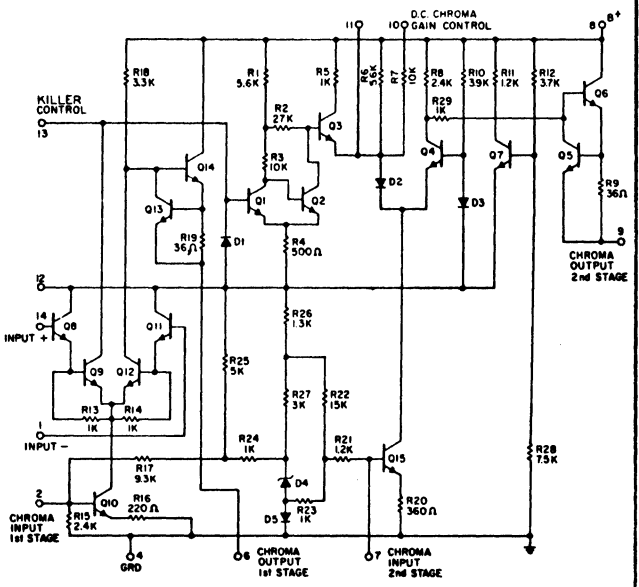
Z153



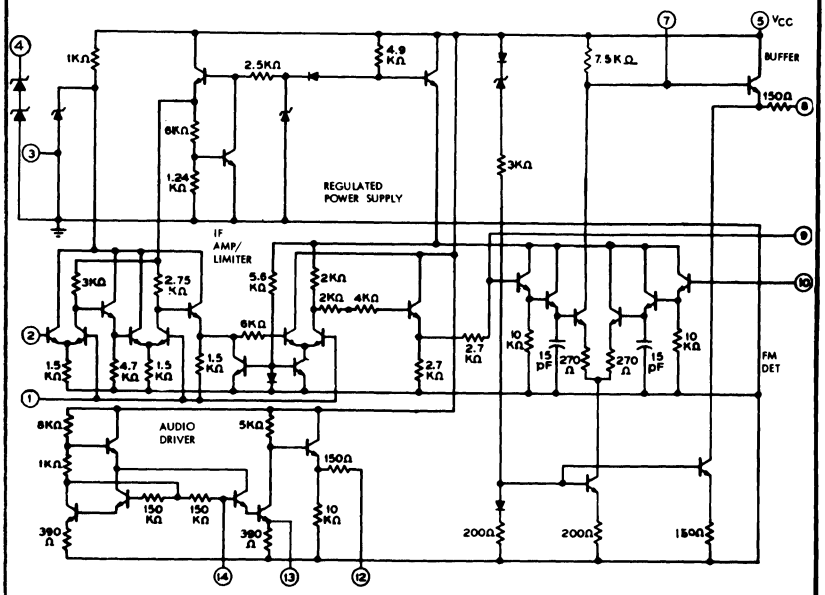
Z154



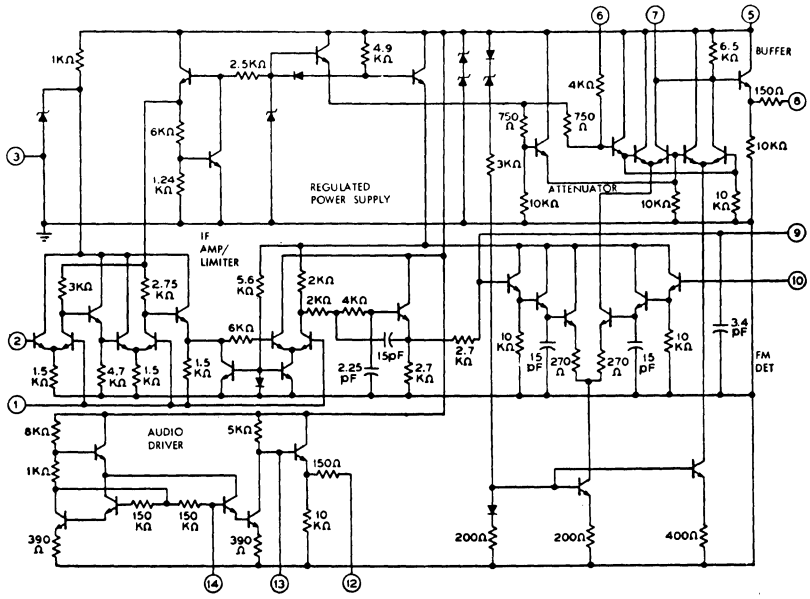
Z155



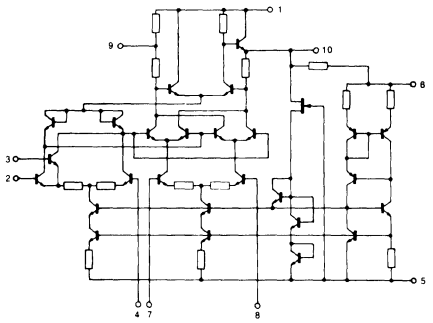
Z156



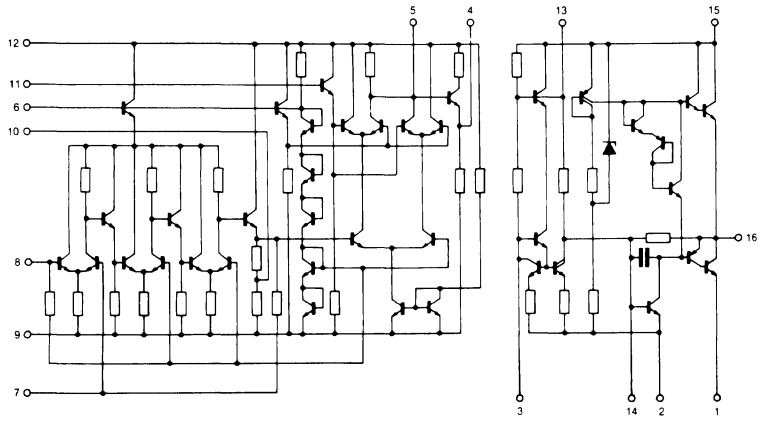
Z157



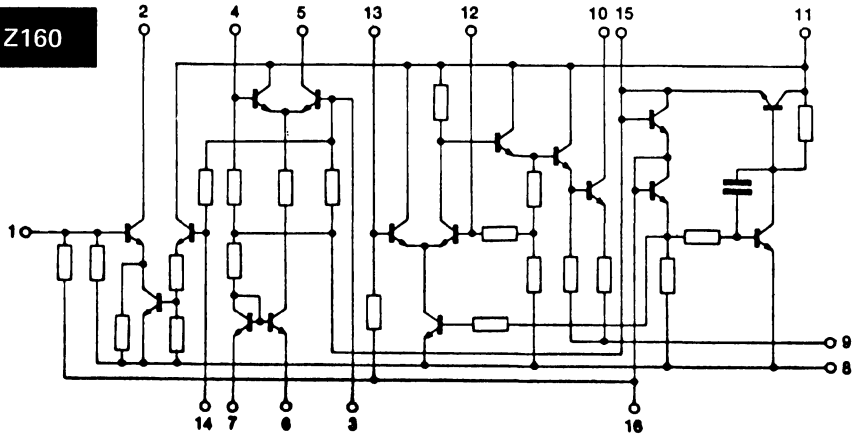
Z158



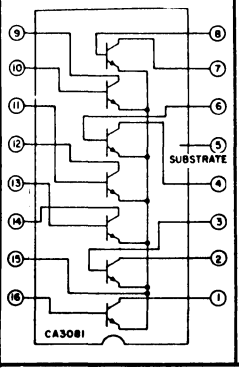
Z159



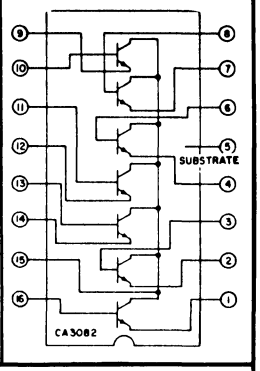
Z160



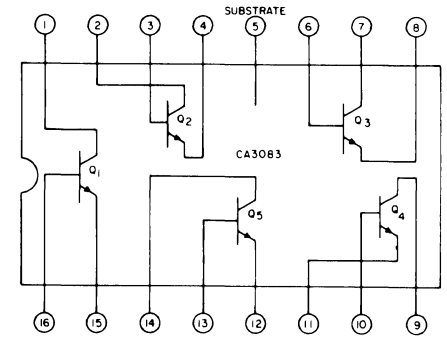
Z161



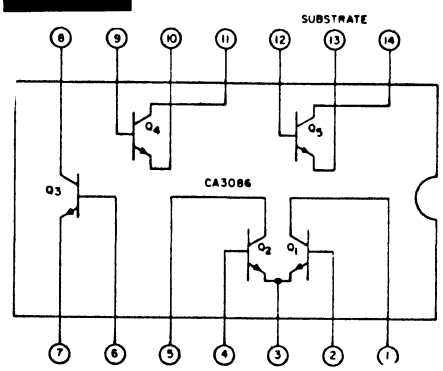
Z162



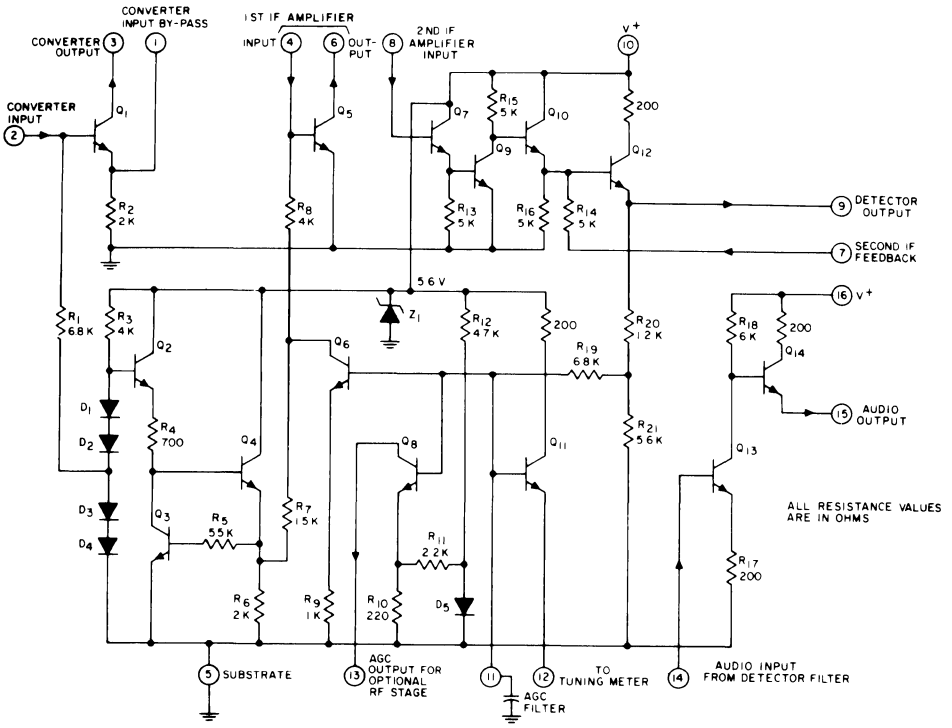
Z163



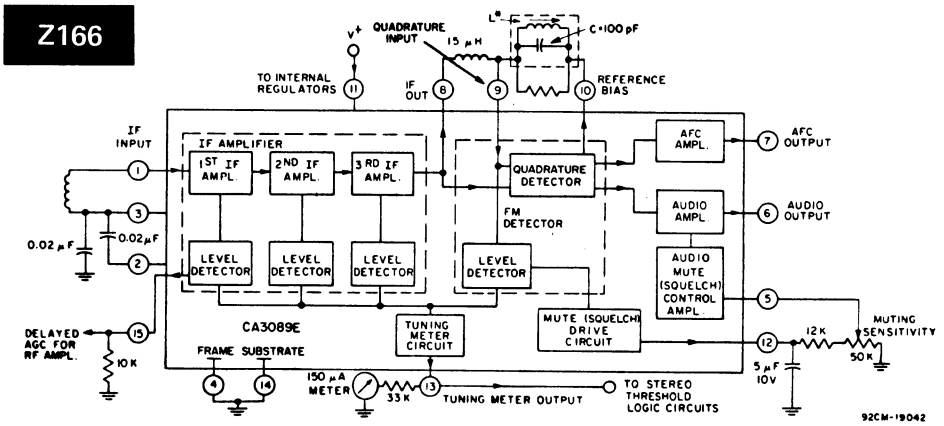
Z164



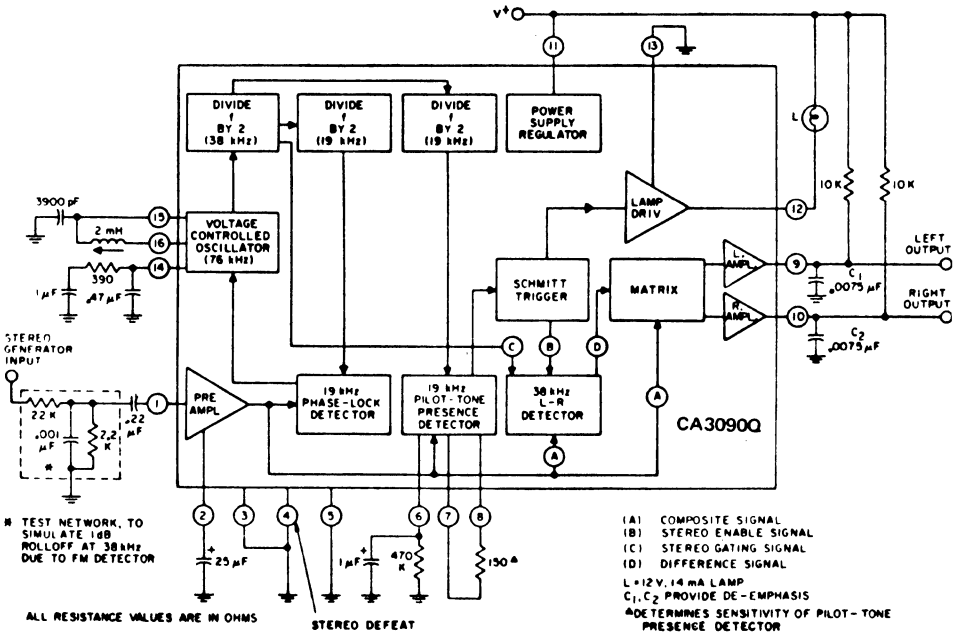
Z165



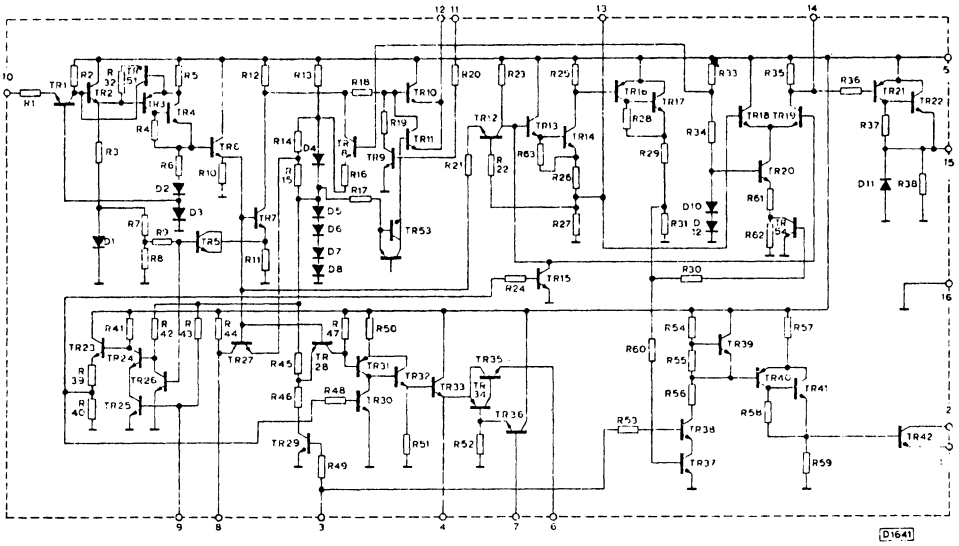
Z166


V+
QUADRATURE INPUT
15 µH
C=100 pF
TO INTERNAL REGULATORS
IF OUT
REFERENCE BIAS
IF INPUT
IF AMPLIFIER
1ST IF AMPL.
2ND IF AMPL.
3RD IF AMPL.
QUADRATURE DETECTOR
FM DETECTOR
AFC AMPL.
AFC OUTPUT
AUDIO AMPL.
AUDIO OUTPUT
0.02 µF
0.02 µF
LEVEL DETECTOR
LEVEL DETECTOR
LEVEL DETECTOR
LEVEL DETECTOR
AUDIO MUTE (SQUELCH) CONTROL AMPL.
DELAYED AGC FOR RF AMPL.
10K
CA3089E
FRAME SUBSTRATE
TUNING METER CIRCUIT
MUTE (SQUELCH) DRIVE CIRCUIT
12K
MUTING SENSITIVITY
50K
5 µF 10V
150 µA METER
33K
TUNING METER OUTPUT
TO STEREO THRESHOLD LOGIC CIRCUITS
92CM-19042

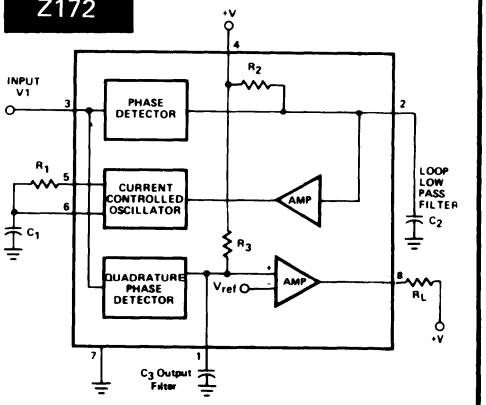
Z167


V+
DIVIDE f BY 2 (38 kHz)
DIVIDE f BY 2 (19 kHz)
DIVIDE f BY 2 (19 kHz)
POWER SUPPLY REGULATOR
L
10K
10K
LAMP DRIV
3900 pF
2 mH
VOLTAGE CONTROLLED OSCILLATOR (76 kHz)
390
.1 µF
.47 µF
SCHMITT TRIGGER
MATRIX
L AMPL
R AMPL
LEFT OUTPUT
RIGHT OUTPUT
C1 .0075 µF
C2 .0075 µF
STEREO GENERATOR INPUT
22K
.001 µF
2.2K
.22 µF
PRE AMPL
19 kHz PHASE-LOCK DETECTOR
19 kHz PILOT-TONE PRESENCE DETECTOR
38 kHz L-R DETECTOR
CA3090Q
25 µF
1 µF
470K
150Δ
TEST NETWORK, TO SIMULATE 1dB ROLLOFF AT 38 kHz DUE TO FM DETECTOR
ALL RESISTANCE VALUES ARE IN OHMS
STEREO DEFEAT
(A) COMPOSITE SIGNAL
(B) STEREO ENABLE SIGNAL
(C) STEREO GATING SIGNAL
(D) DIFFERENCE SIGNAL
L = 12 V, 14 mA LAMP
C1, C2 PROVIDE DE-EMPHASIS
ΔDETERMINES SENSITIVITY OF PILOT-TONE PRESENCE DETECTOR

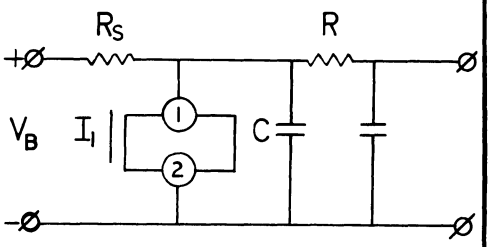
Z170



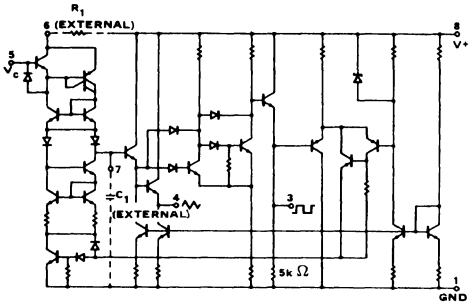
Z172



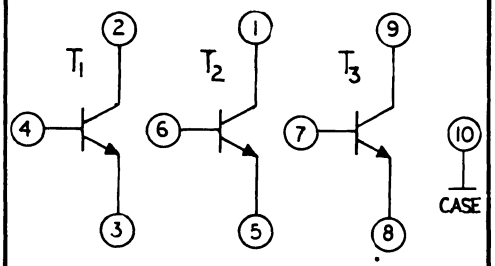
Z173



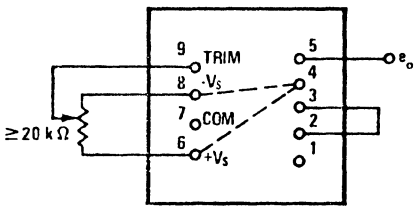
Z171



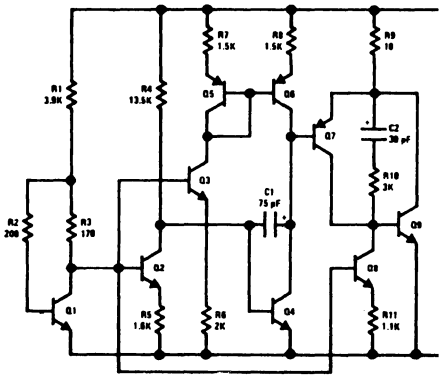
Z174



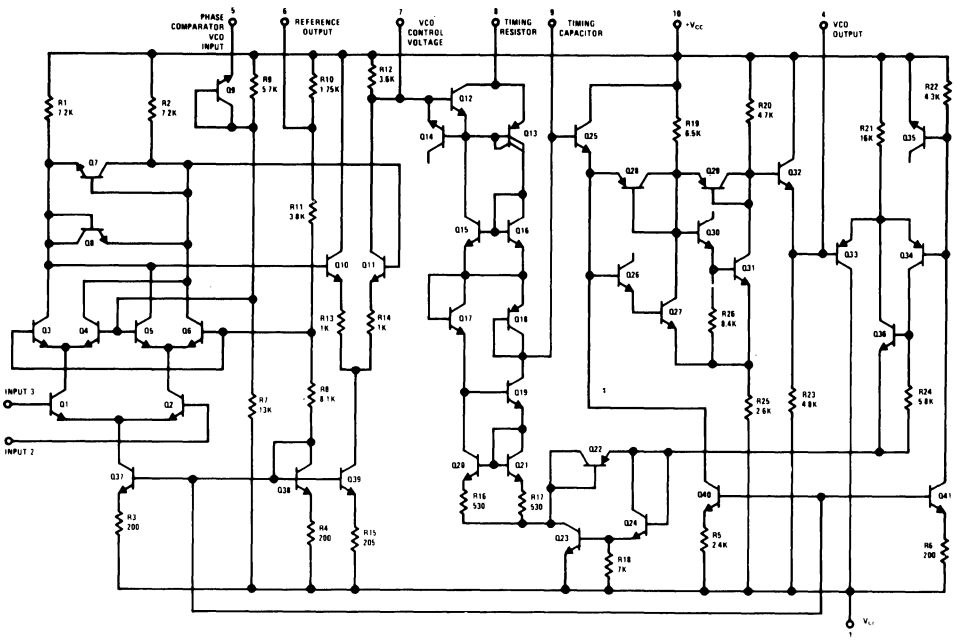
Z175



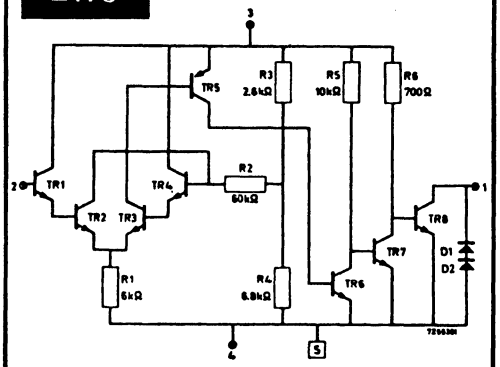
Z176



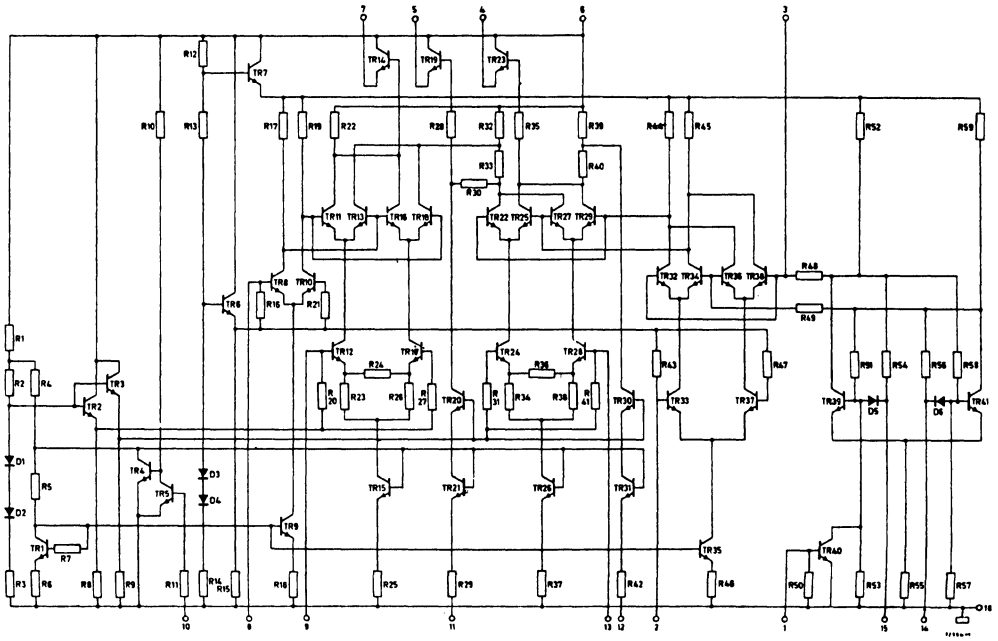
Z177



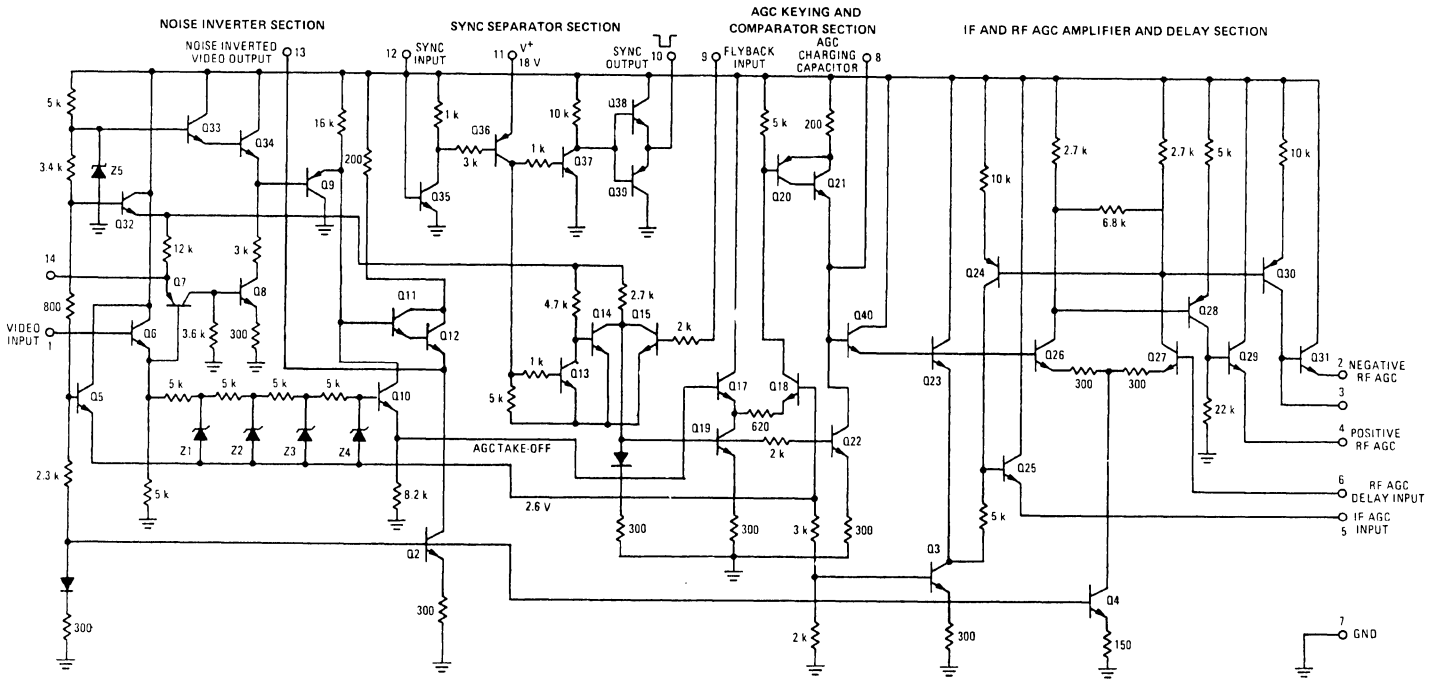
Z178



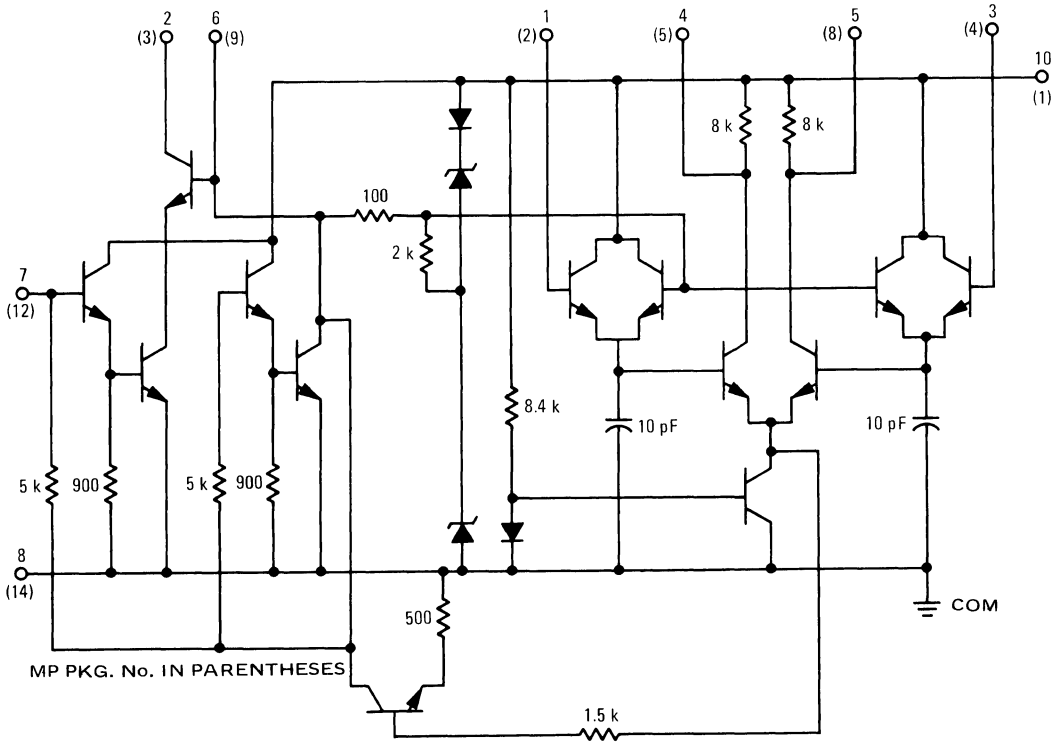
Z179



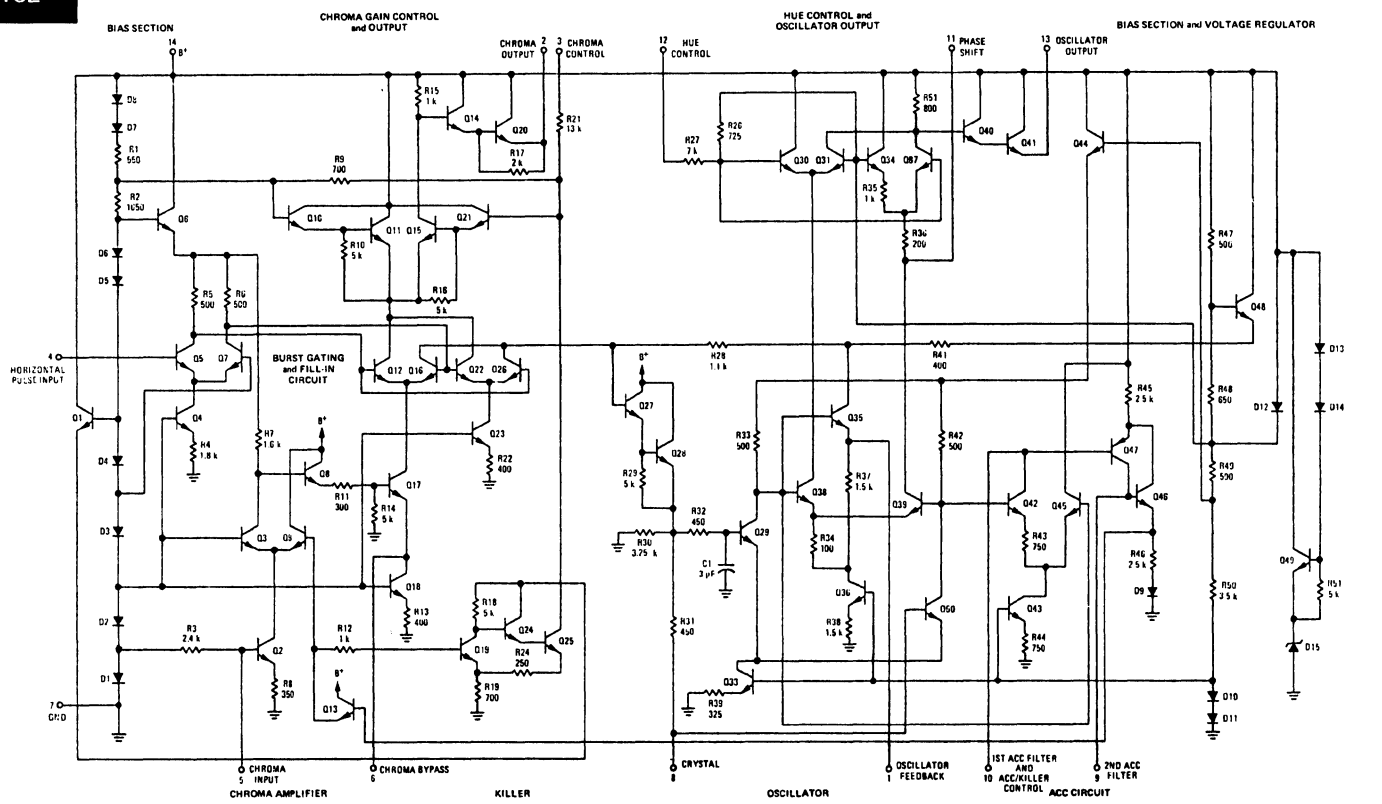
Z180


NOISE INVERTER SECTION
SYNC SEPARATOR SECTION
AGC KEYING AND COMPARATOR SECTION
IF AND RF AGC AMPLIFIER AND DELAY SECTION
NOISE INVERTED VIDEO OUTPUT 13
12 SYNC INPUT
11 V+ 18 V
SYNC OUTPUT 10
9 FLYBACK INPUT
AGC CHARGING CAPACITOR 8
VIDEO INPUT 1
14
AGC TAKE-OFF
2.6 V
2 NEGATIVE RF AGC
3
4 POSITIVE RF AGC
6 RF AGC DELAY INPUT
5 IF AGC INPUT
7 GND

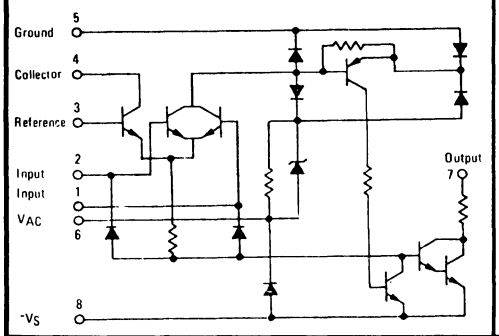
Z181


2 (3)
6 (9)
1 (2)
4 (5)
5 (8)
3 (4)
10 (1)
7 (12)
8 (14)
100
2 k
8 k
8 k
8.4 k
10 pF
10 pF
5 k
900
5 k
900
500
1.5 k
COM
MP PKG. No. IN PARENTHESES

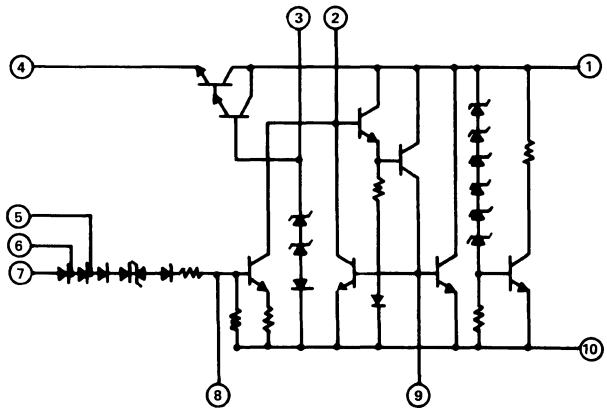
Z182



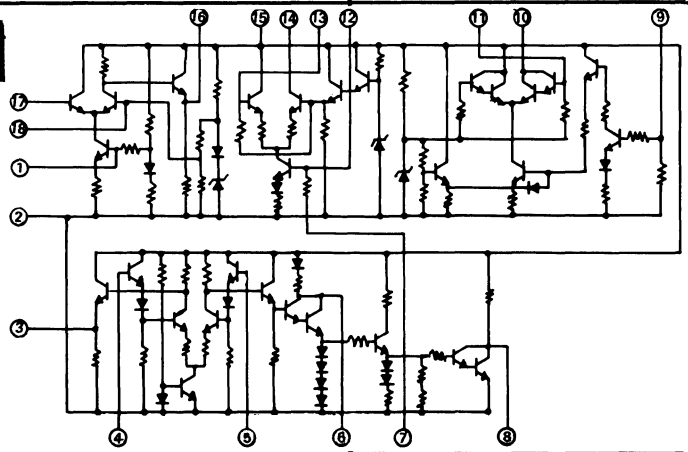
Z183



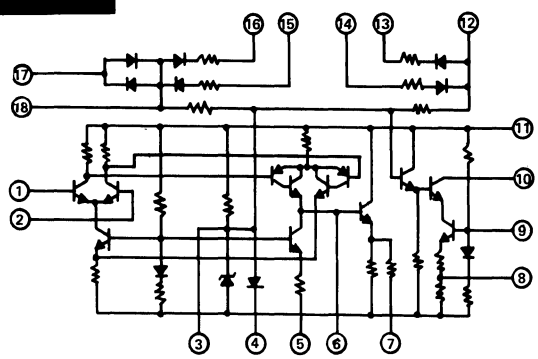
Z184



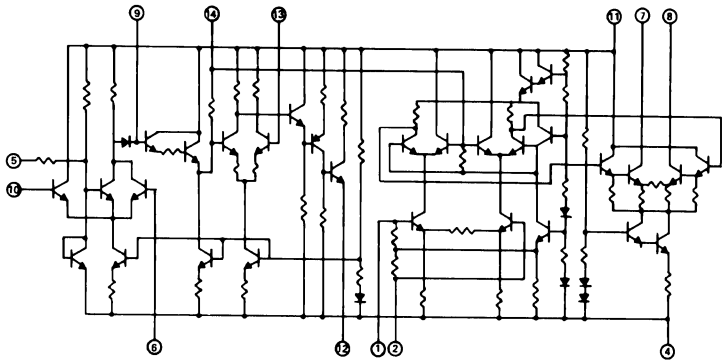
Z185



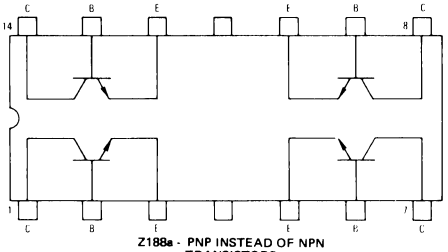
Z186



Z187

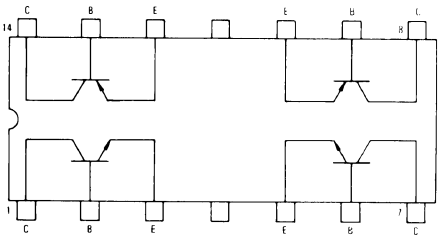


Z188

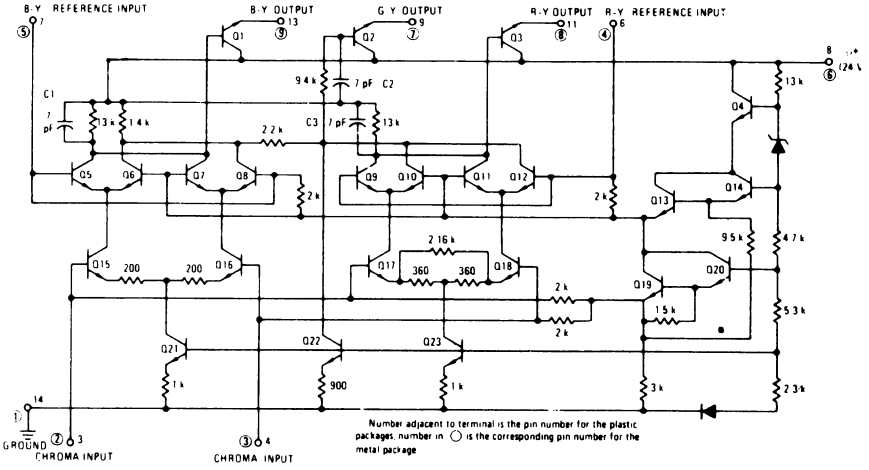


Z188a - PNP INSTEAD OF NPN TRANSISTORS

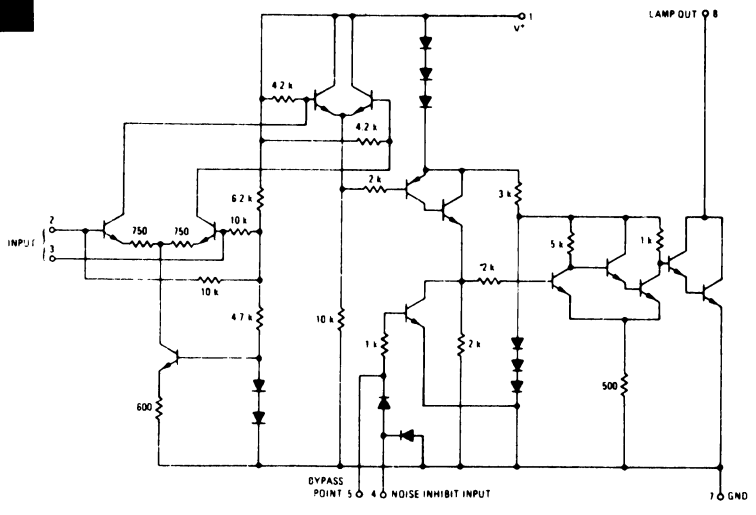
Z189



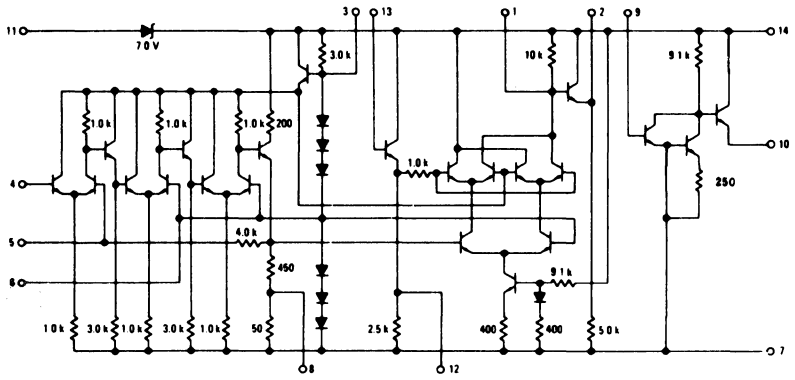
Z190



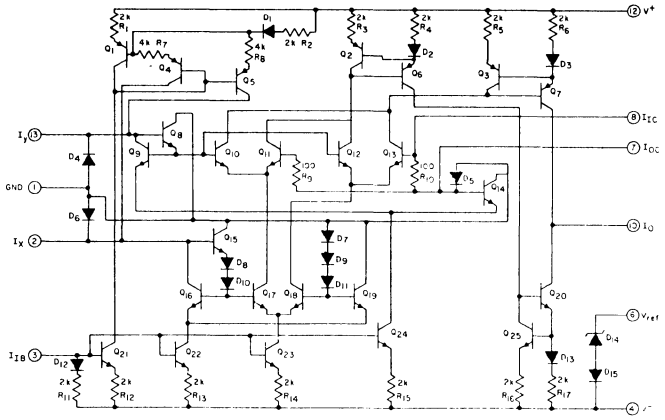
Z191



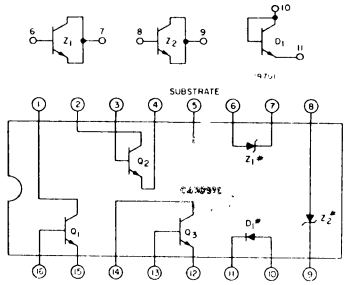
Z192



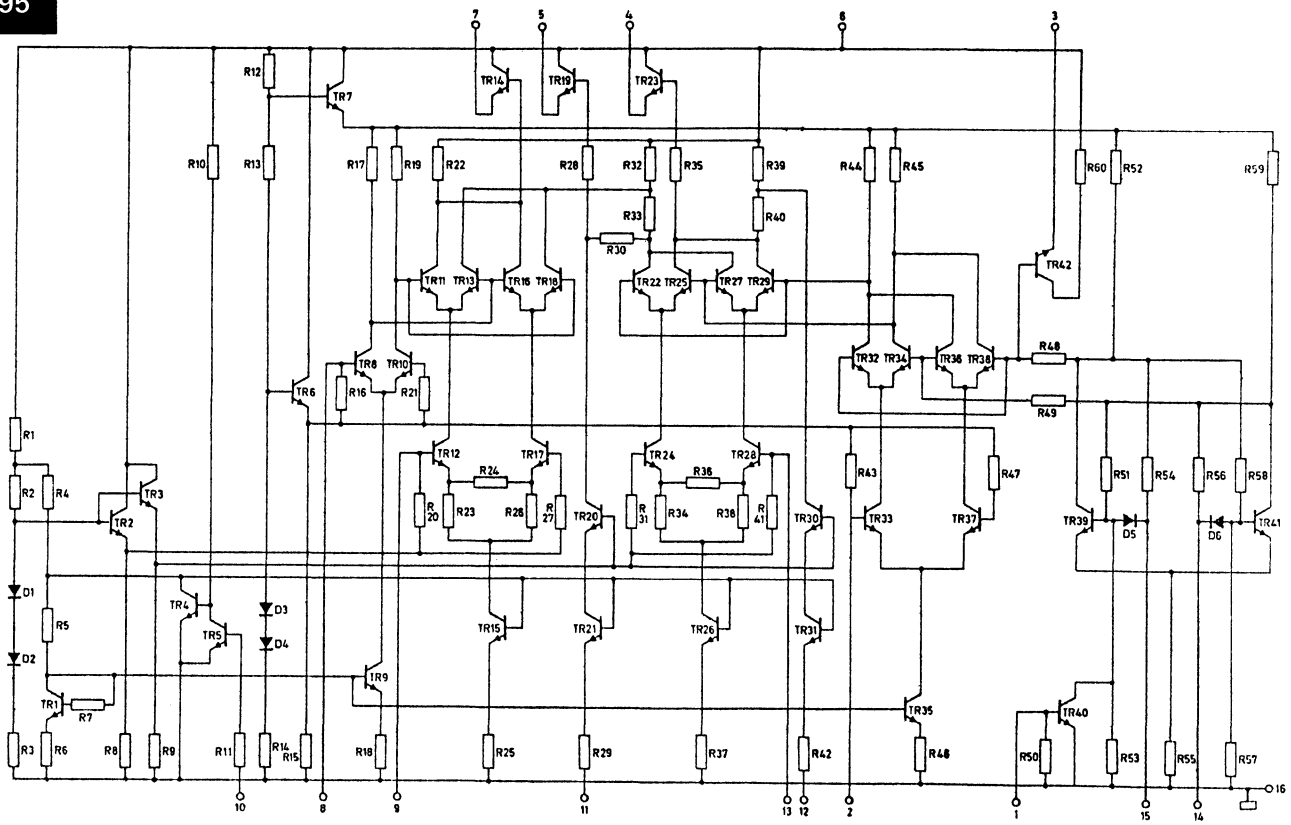
Z193



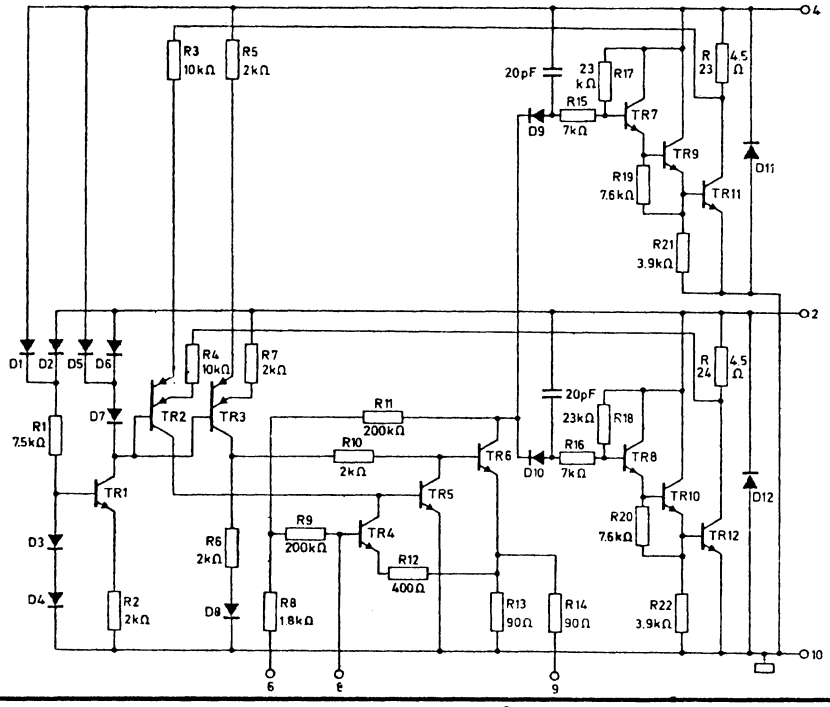
Z194



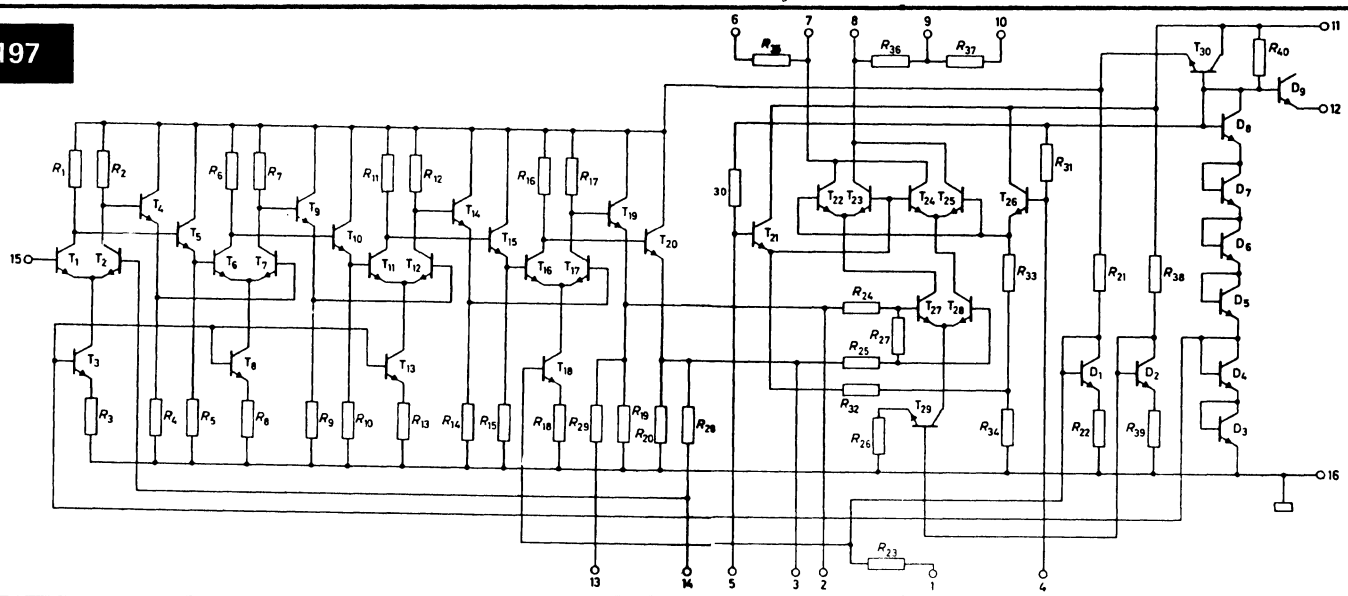
Z195



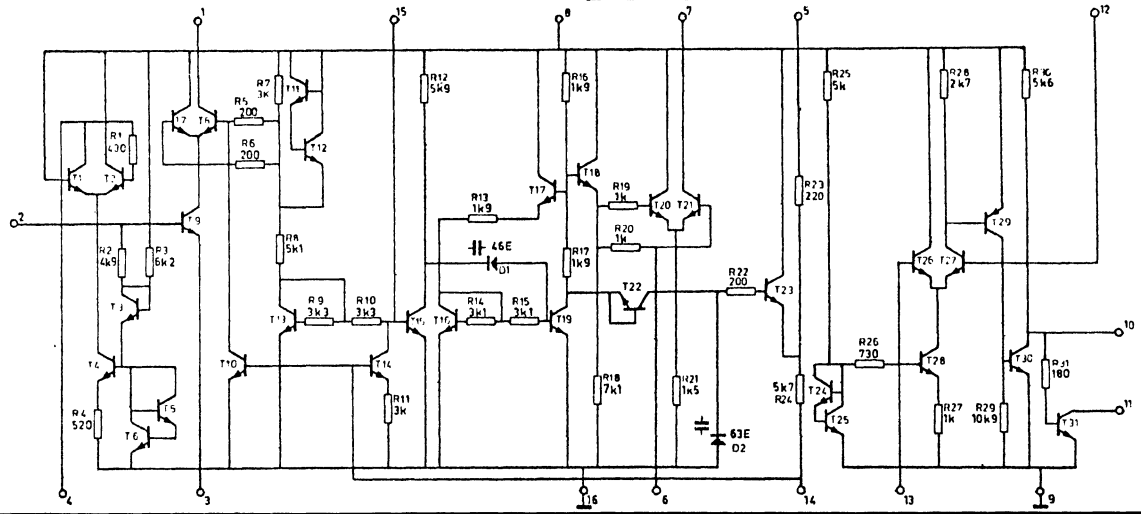
Z196



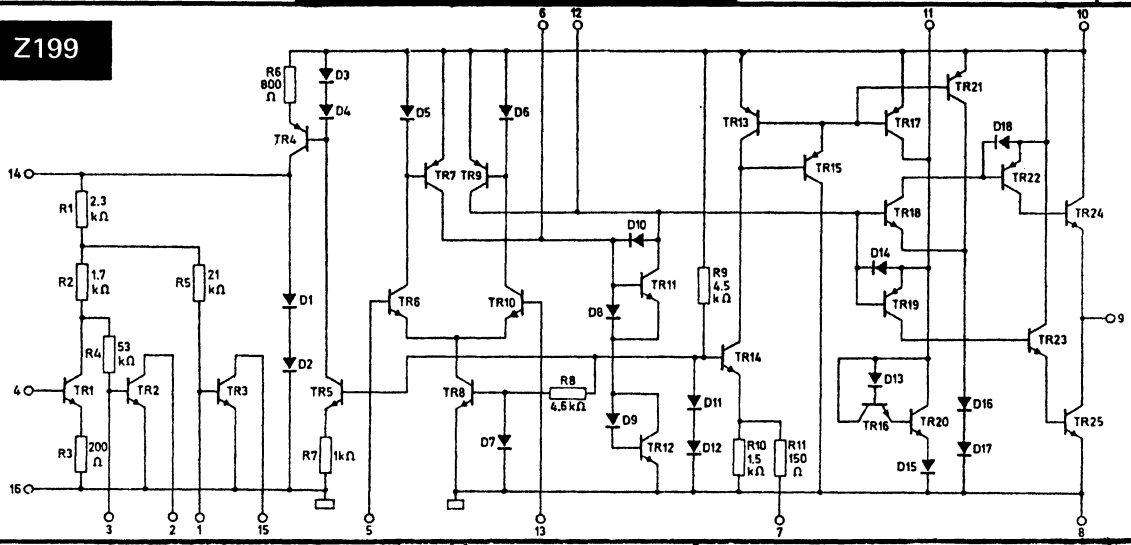
Z197



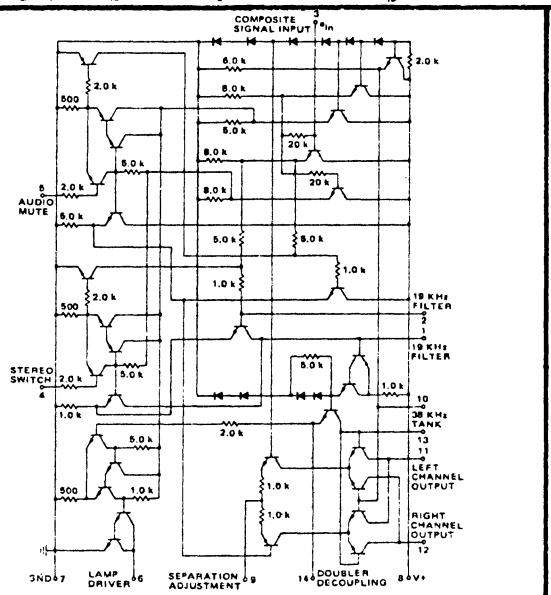
Z198



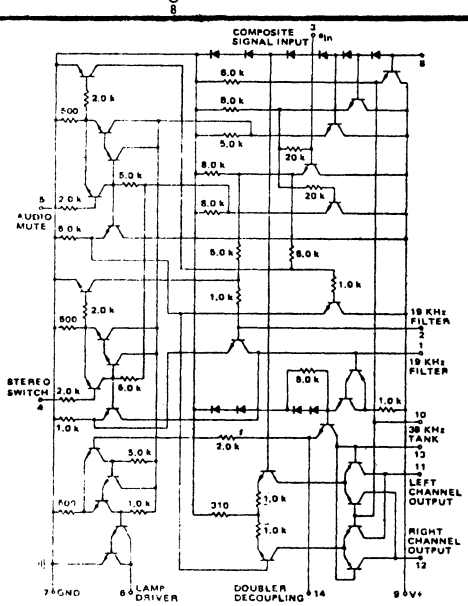
Z199



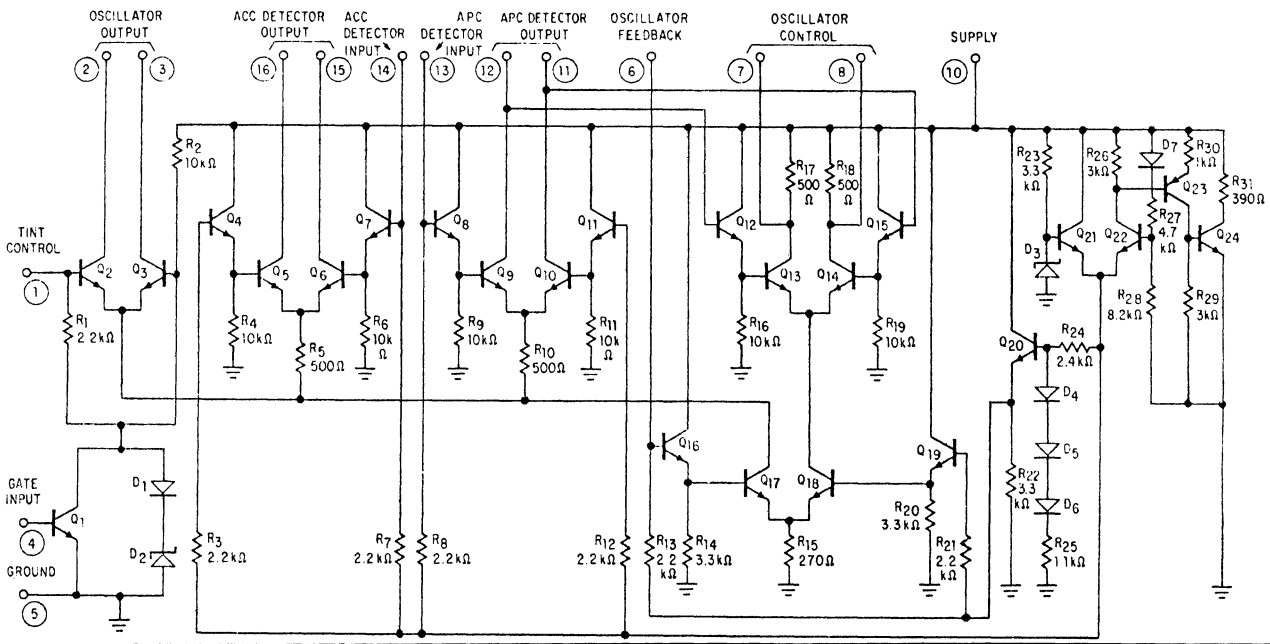
Z202



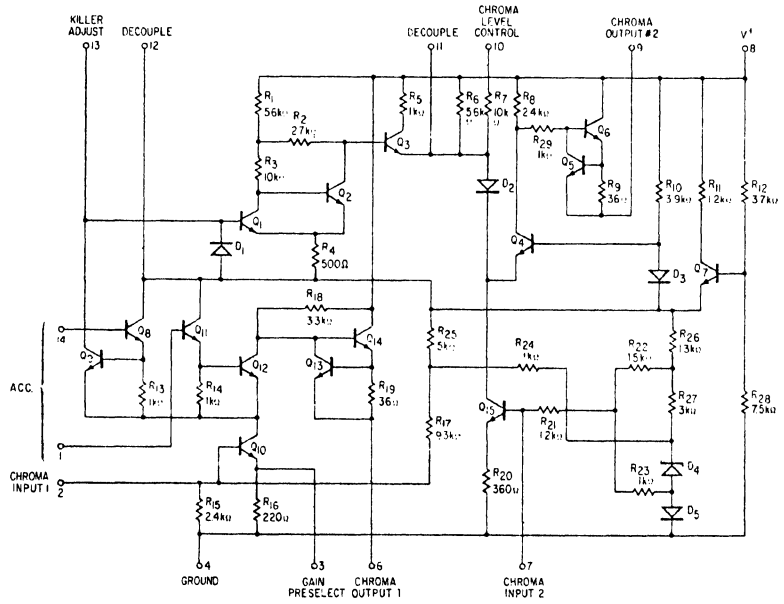
Z203



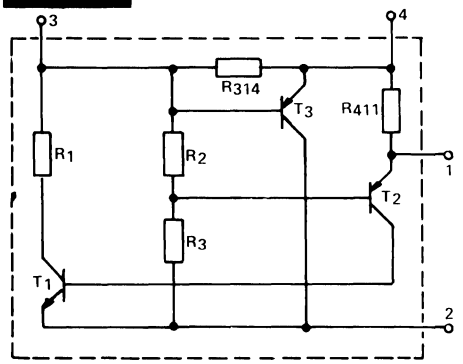
Z205



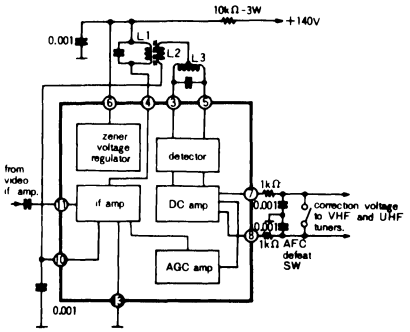
Z206



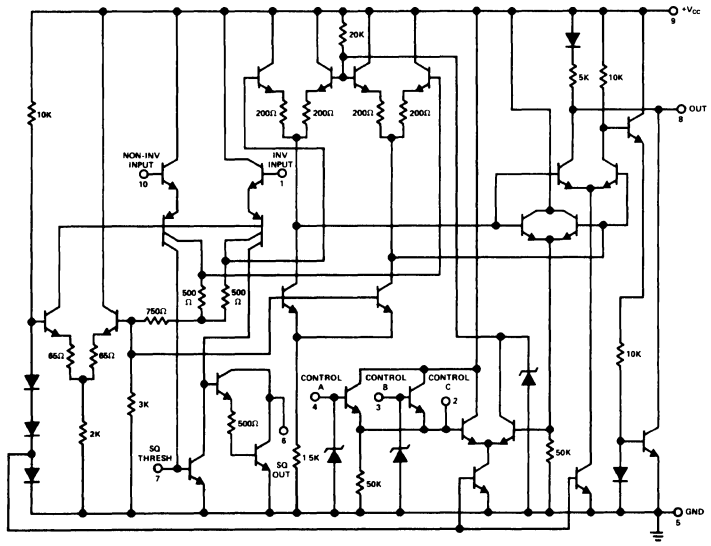
Z208



Z210

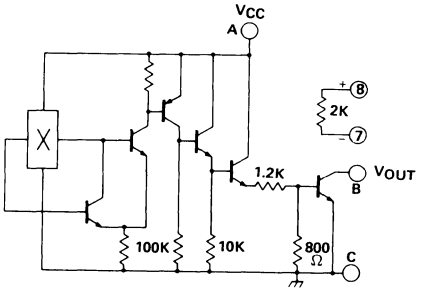


Z217



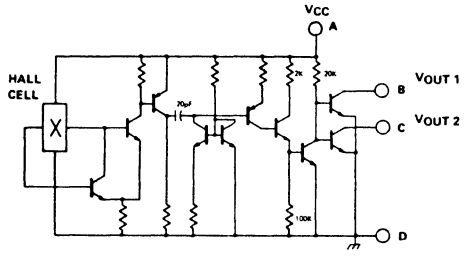
Z218

	A	B	C
Z218	2	6	4
Z218a	1	3	2



Z219

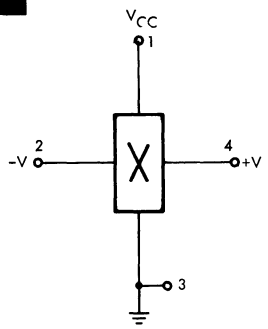
	A	B	C	D
Z219	2	6	7	4
Z219a	1	3	4	2



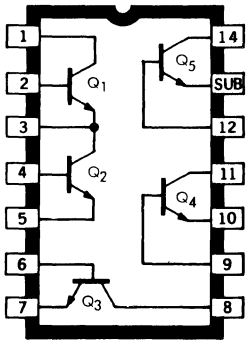
13. CIRCUIT DRAWINGS

IN DRAWING NUMBER SEQUENCE

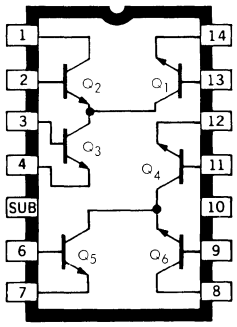
Z220



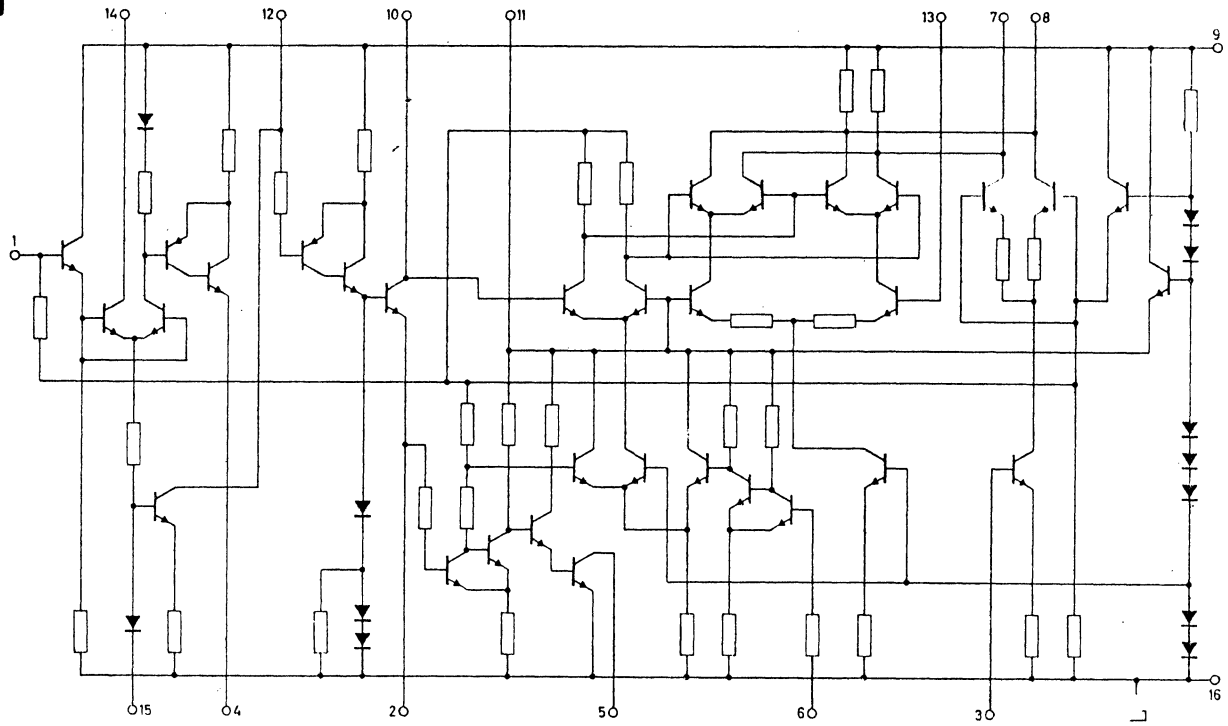
Z221



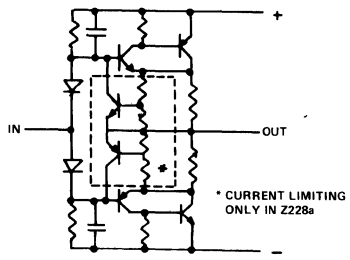
Z222



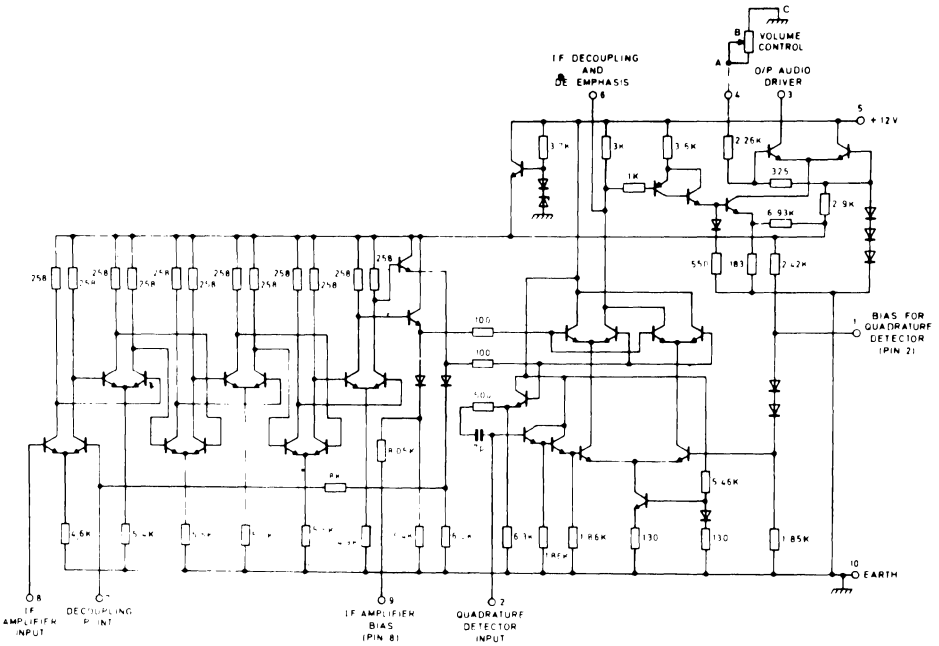
Z223



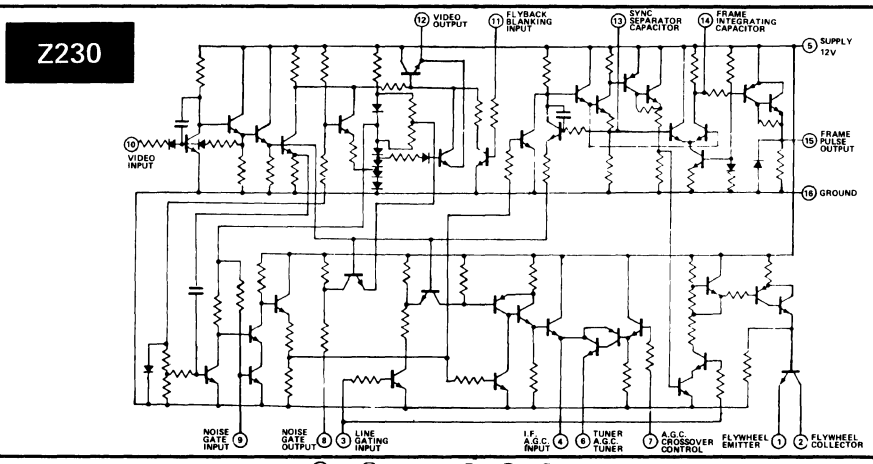
Z228



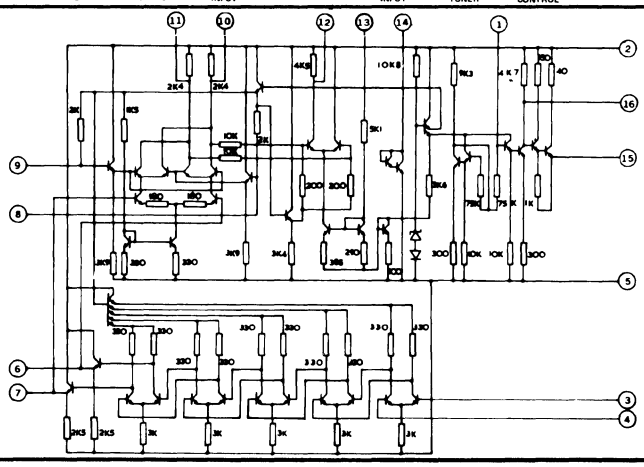
Z229



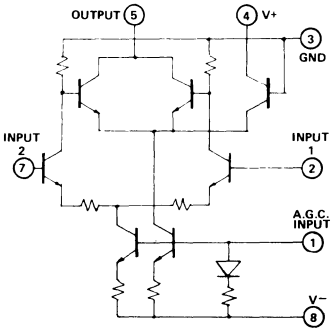
Z230



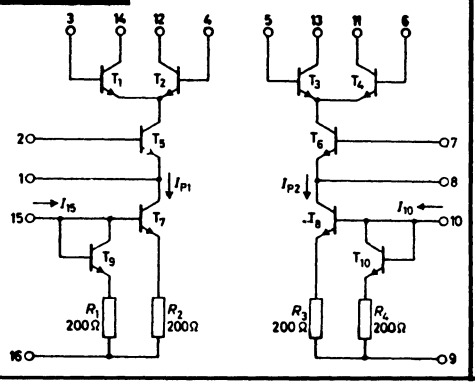
Z231



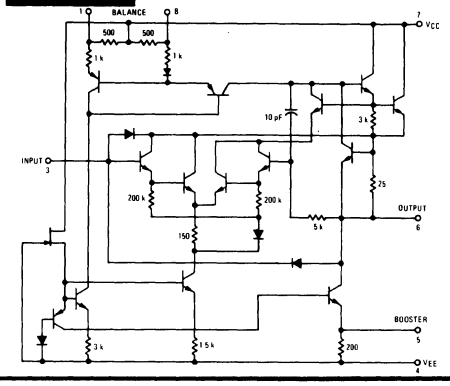
Z232



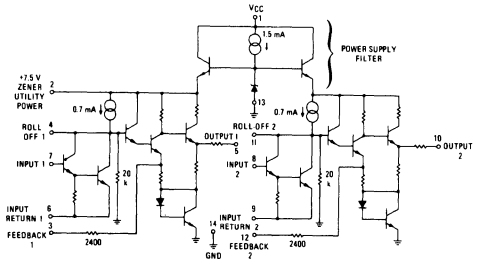
Z234



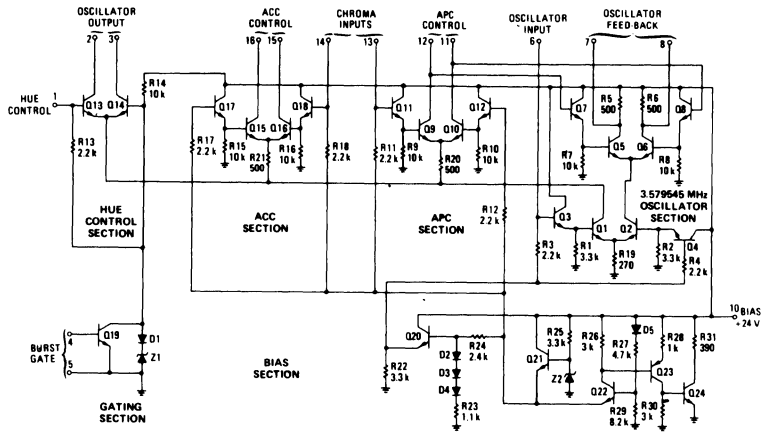
Z235



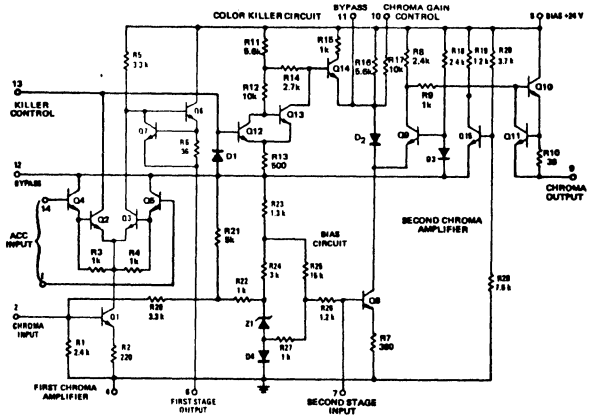
Z236



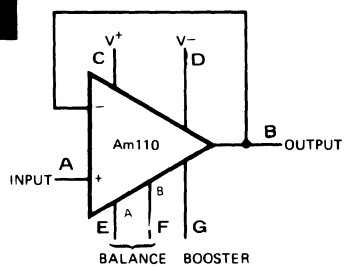
Z237



Z238

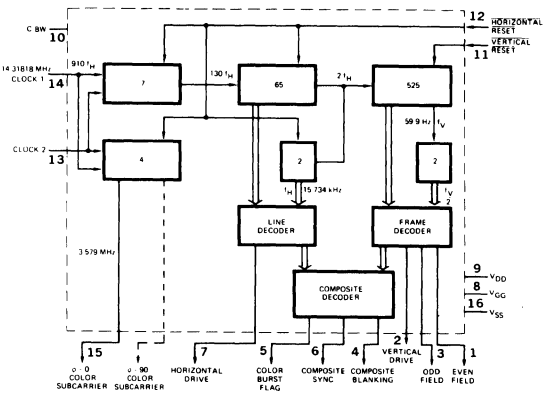


Z239

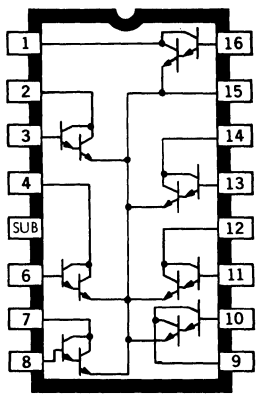


	PKG	A	B	C	D	E	F	G
Z239	CN	3	6	7	4	1	8	5
	FP	4	7	8	5	2	9	6
	MP	5	10	11	6	3	12	9

Z240



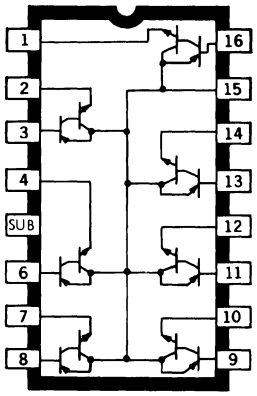
Z241



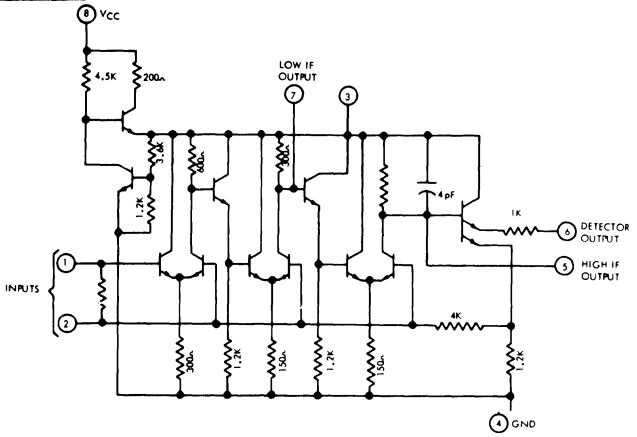
13. CIRCUIT DRAWINGS

IN DRAWING NUMBER SEQUENCE

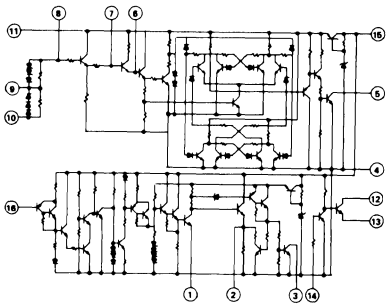
Z242



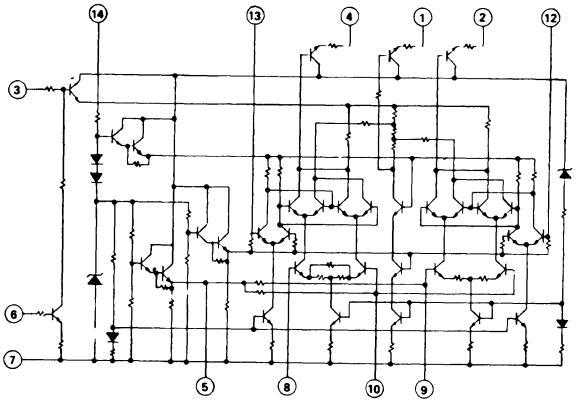
Z243



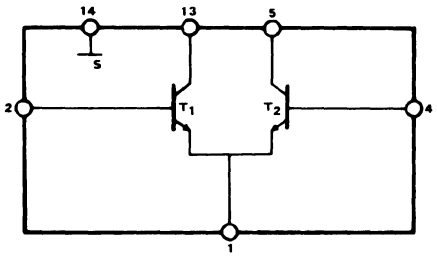
Z245



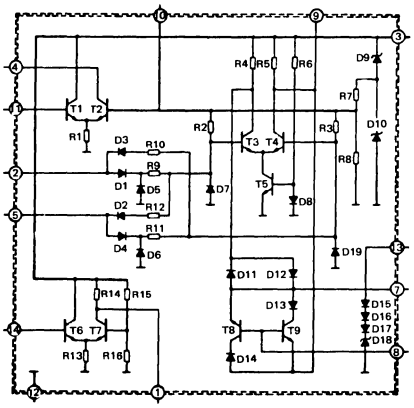
Z246



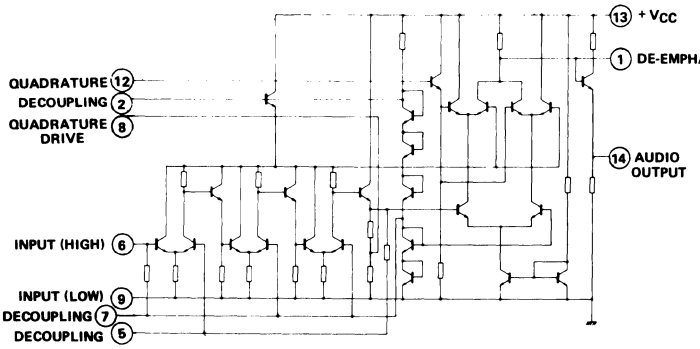
Z247



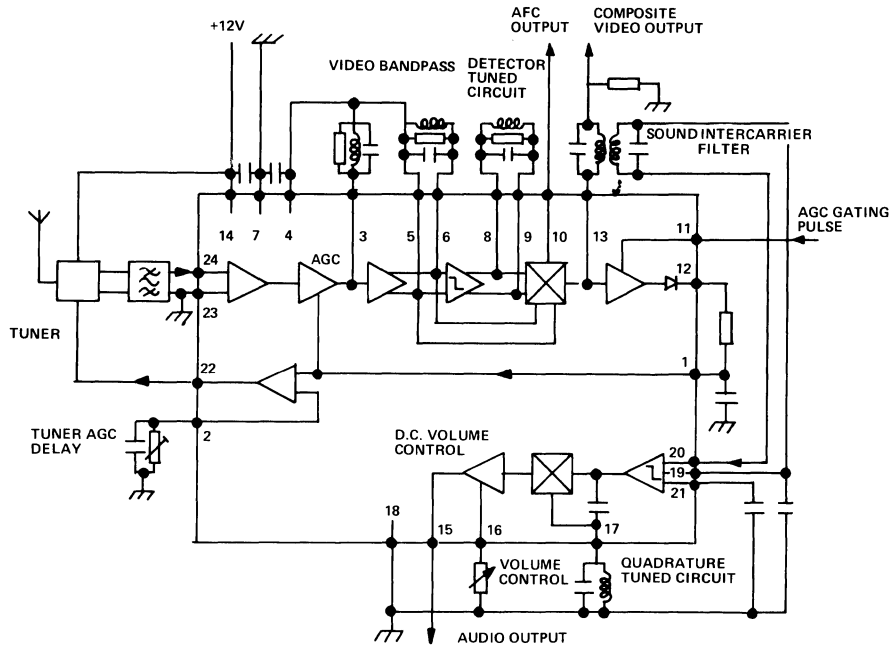
Z248



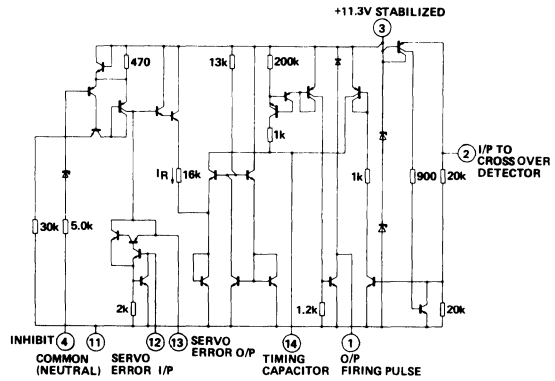
Z250



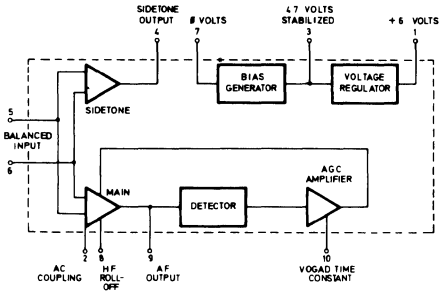
Z252



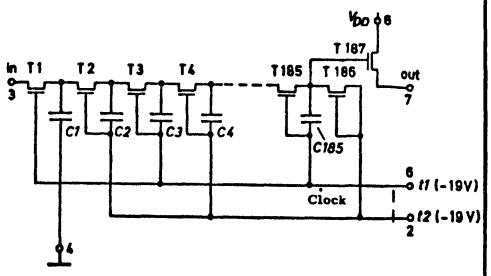
Z253



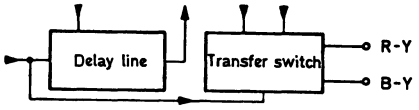
Z254



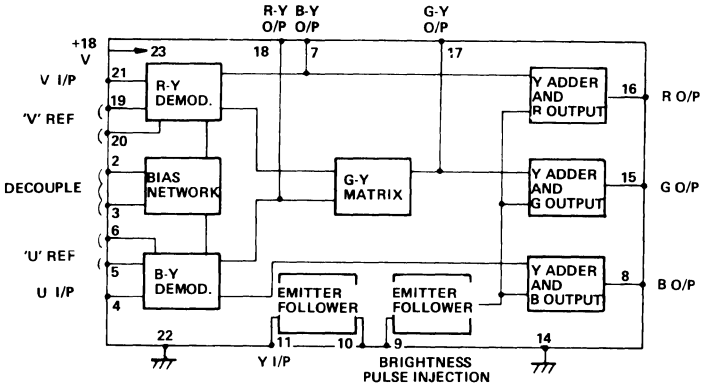
Z255



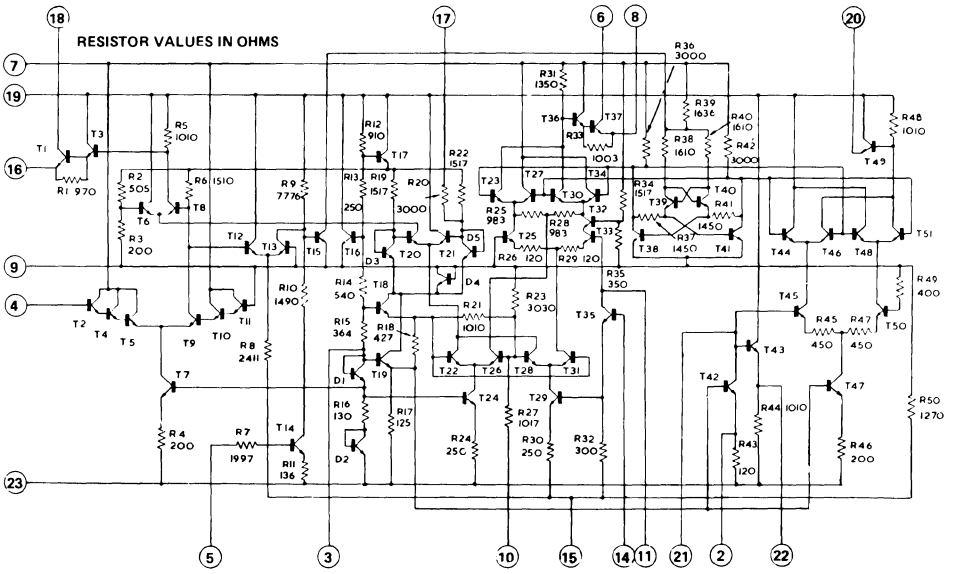
Z256



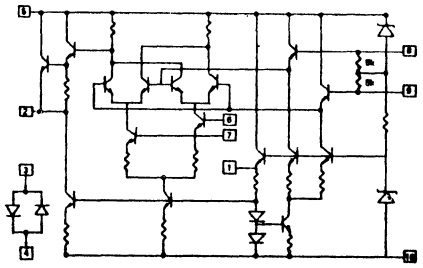
Z257



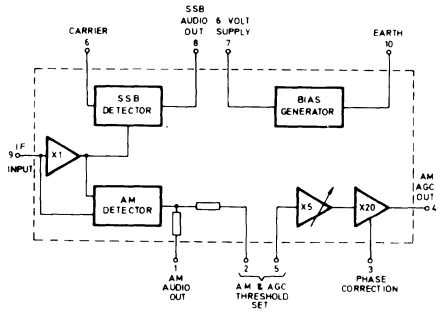
Z258



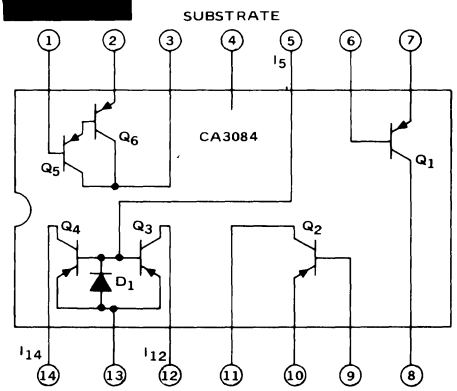
Z259



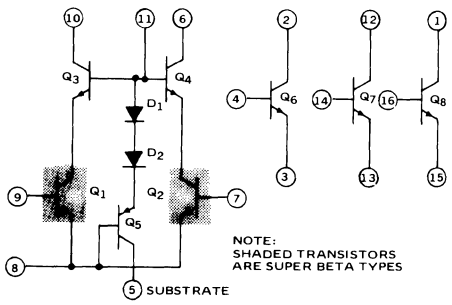
Z260



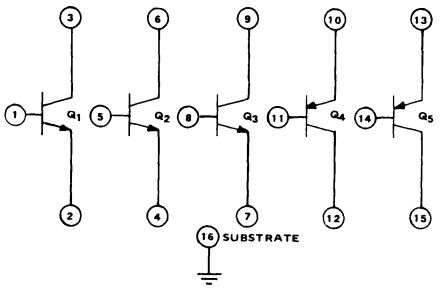
Z261



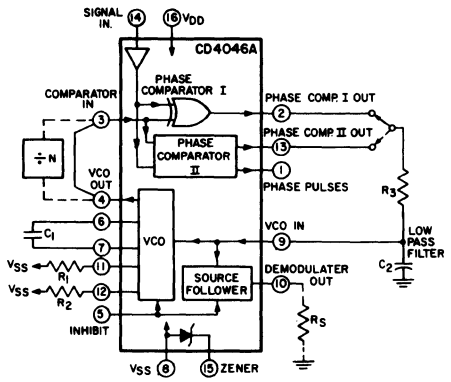
Z262



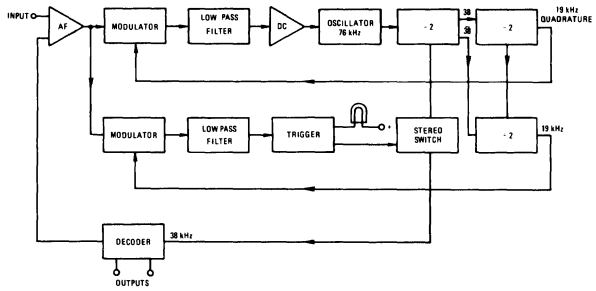
Z263



Z264



Z265



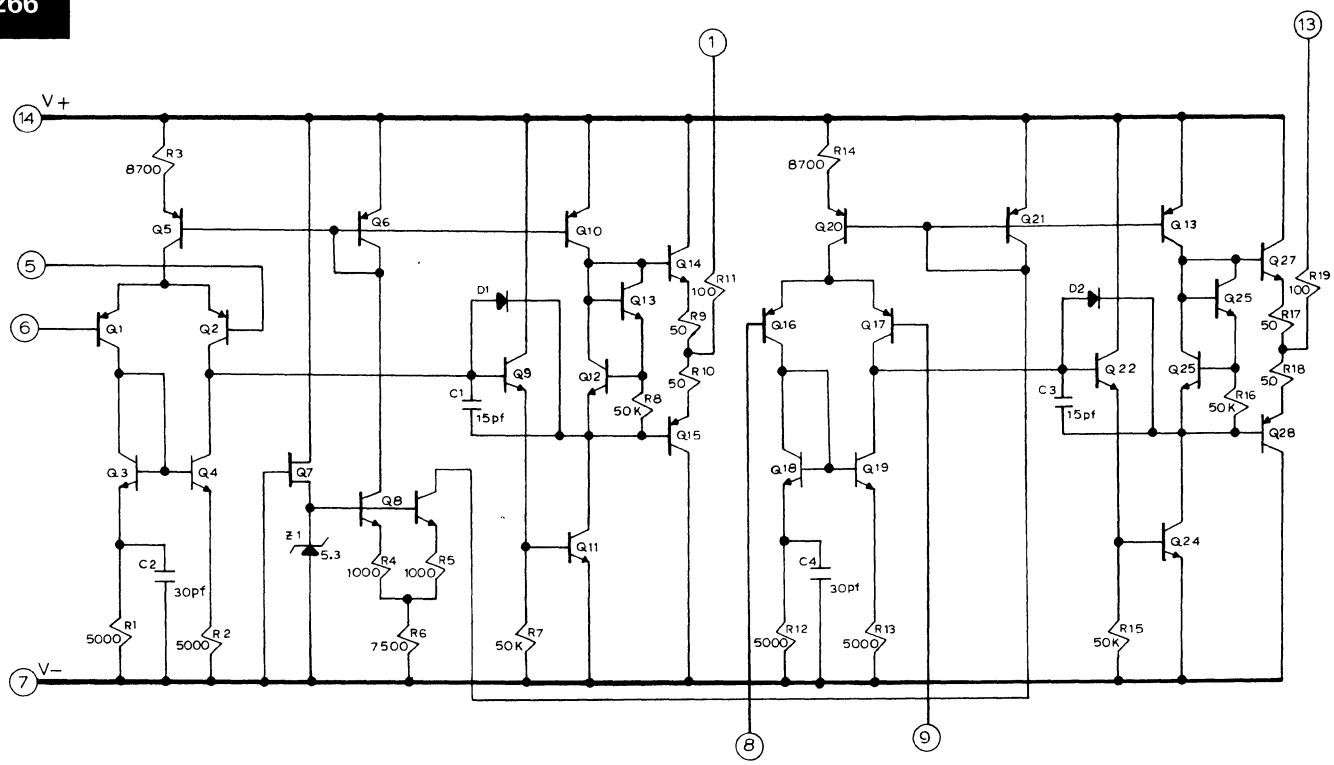
PIN FUNCTIONS

Pin 1 = V_{CC}	Pin 8 = Switch Filter
Pin 2 = Input	Pin 9 = Switch Filter
Pin 3 = Amplifier Output	Pin 10 = 19 kHz Output
Pin 4 = Left Channel Output	Pin 11 = Modulator Input
Pin 5 = Right Channel Output	Pin 12 = Loop Filter
Pin 6 = Lamp Indicator	Pin 13 = Loop Filter
Pin 7 = Ground	Pin 14 = Oscillator RC Network

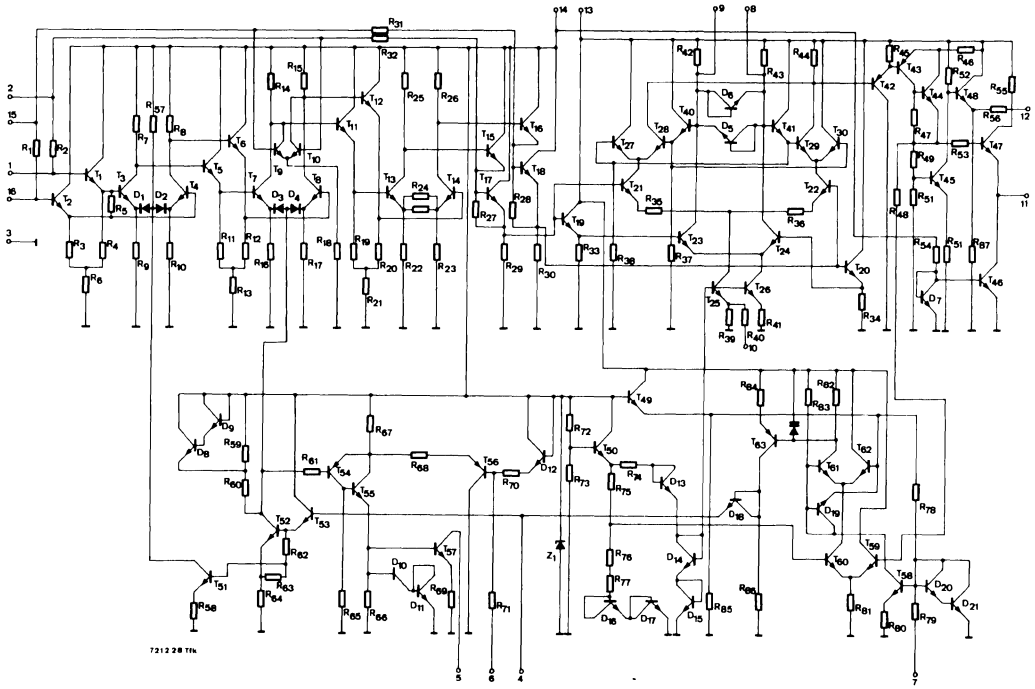
PARTS LIST

C_1 = 2.0 µF	C_8 = 0.25 µF
C_2 = 0.02 µF	R_1 = 3.9 kΩ
C_3 = 0.02 µF	R_2 = 3.9 kΩ
C_4 = 0.25 µF	R_3 = 1.0 kΩ
C_5 = 0.05 µF	R_4 = 16 kΩ
C_6 = 0.5 µF	R_5 = 5.0 kΩ
C_7 = 470 pF	

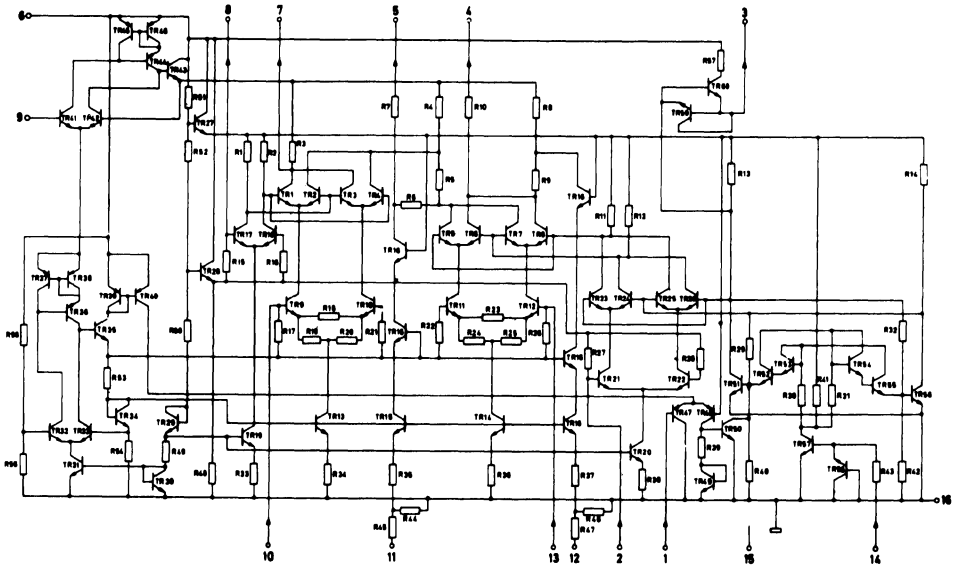
Z266



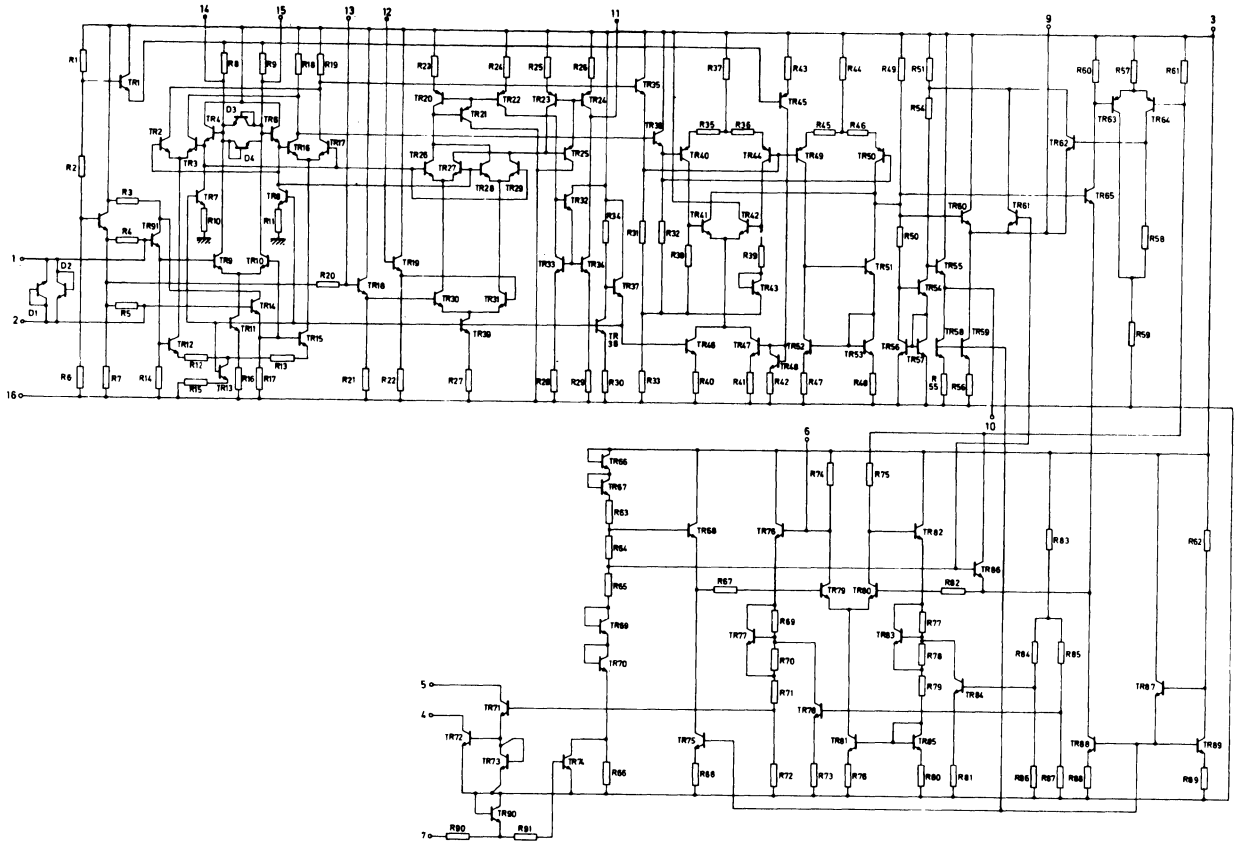
Z267



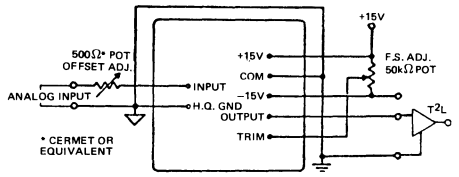
Z268



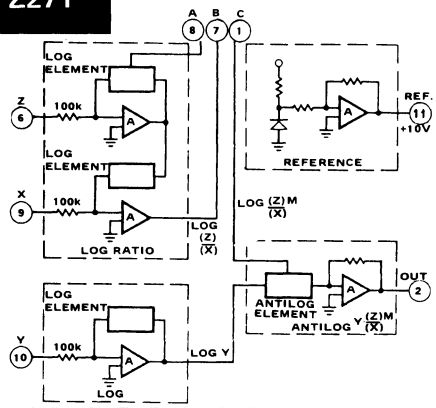
Z269



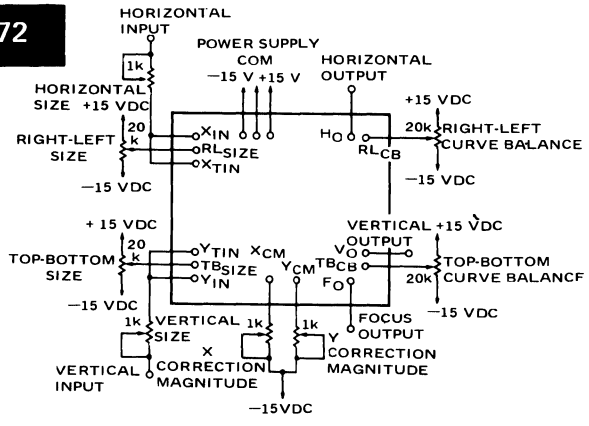
Z270



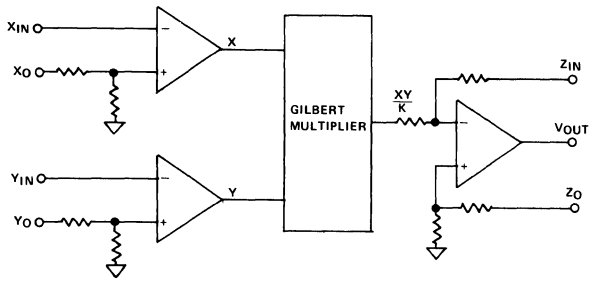
Z271



Z272



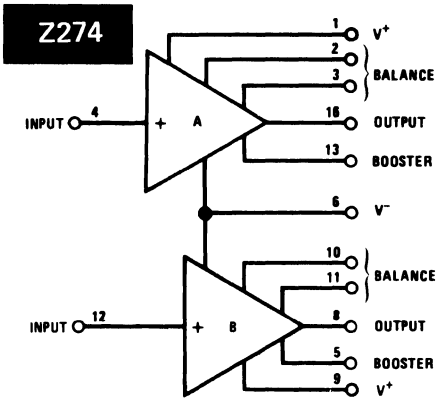
Z273



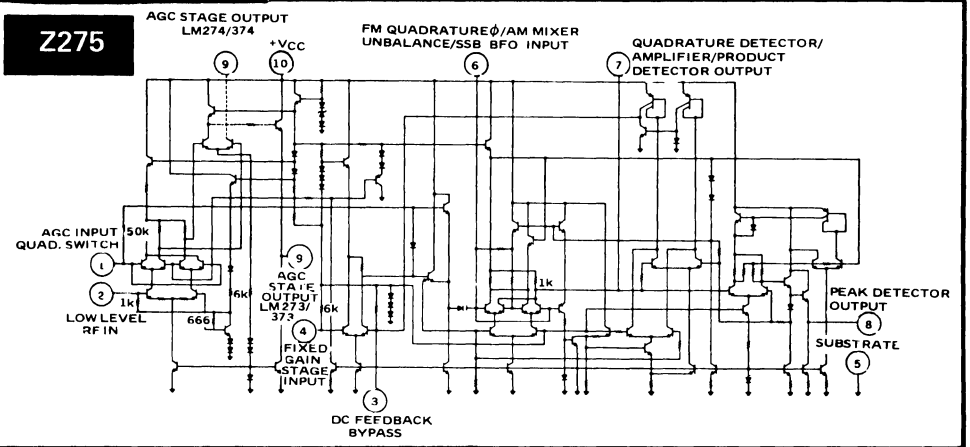
13. CIRCUIT DRAWINGS

IN DRAWING NUMBER SEQUENCE

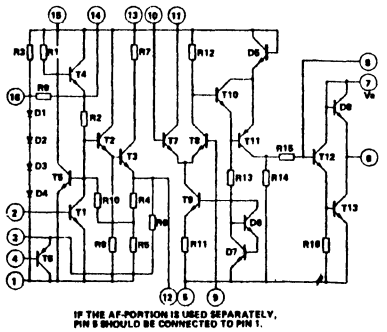
Z274



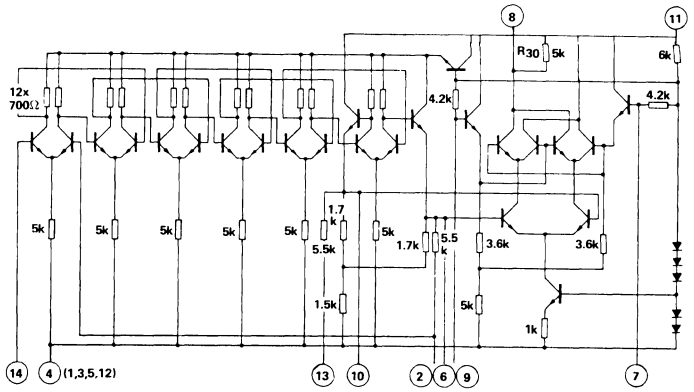
Z275



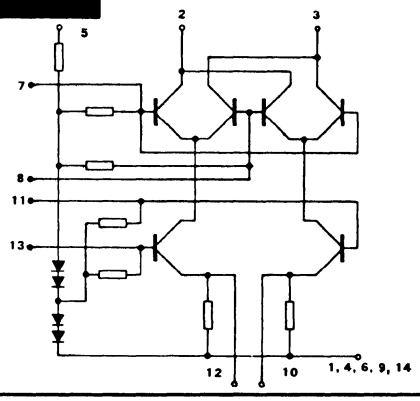
Z276



Z277



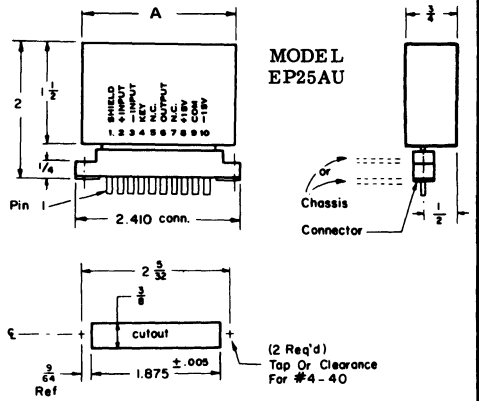
Z278



14. OUTLINE DRAWINGS

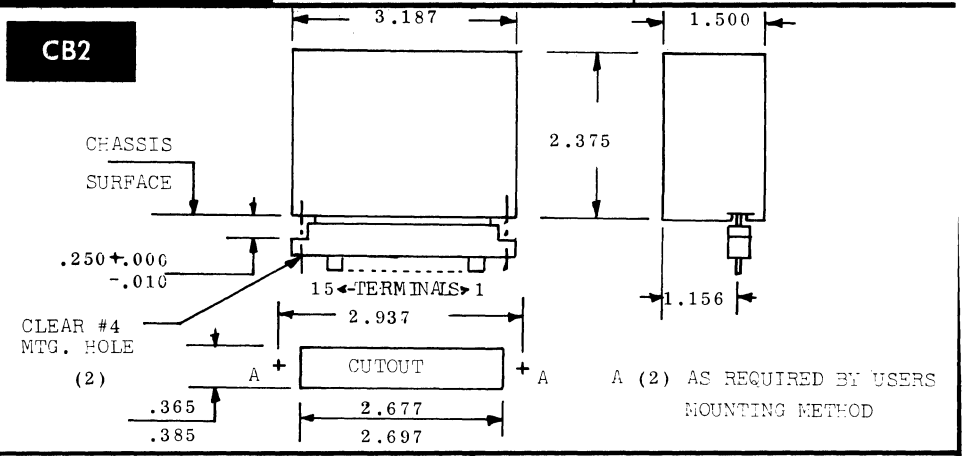
IN DRAWING NUMBER SEQUENCE

CB1

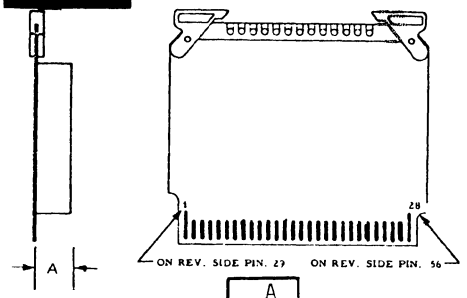


	A	Remarks
CB1	2.31	
CB1a	2.25	Pins 1,2,3,4,5,6,7,8 omitted

CB2

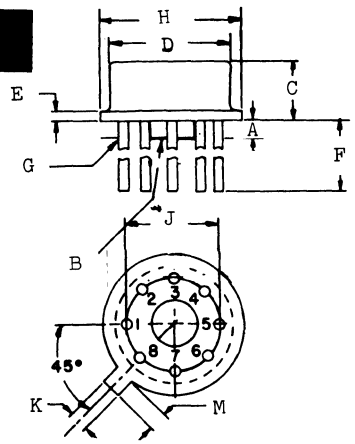


CB9



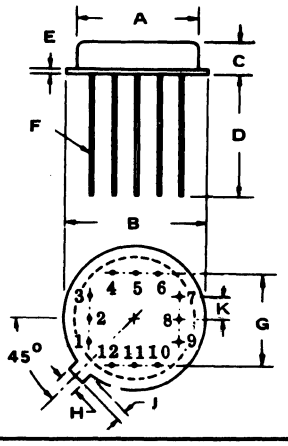
	A
CB9	.550
CB9a	.440 MAX

CN1



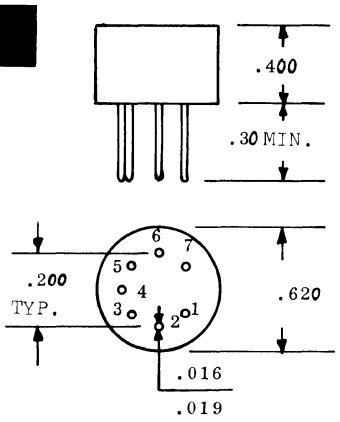
	A	B	C	D	E	F	G	H	J	K	M	REMARKS
CN1	.040	.160	.185	.335	.125	.500	.019	.370	.215	.034	.045	
CN1a	.050		.185	.335	.125	.500	.019	.370	.215	.034	.045	
CN1b	.040	.160	.182	.328		1.59	.019	.362	.200	.034	.045	
CN1c	.050		.185	.335	.040	.500	.019	.370	.200	.034	.045	
CN1d	.040 MAX		.165 .185	.305 .335	.040 MAX	.500 MIN	.016 .019	.335 .370	.200	.028 .034	.029 .045	
CN1e			.165 .185	.305 .335	.009 .125	.500 MIN	.016 .019	.335 .370	.200	.028 .034	.029 .045	OMIT PINS 2,6
CN1f	.040 MAX		.165 .185	.305 .335	.040 MAX	.500 MIN	.016 .019	.335 .370	.230	.028 .034	.029 .045	
CN1g	.015 .045		.165 .185	.315 .325	.020 .030	.500 .562	.016 .019	.355 .370	.190 .210	.028 .034	.029 .040	
CN1h	.040 MAX		.165 .185	.305 .335	.040 MAX	.500 MIN	.016 .019	.335 .370	.200	.028 .034	.029 .045	OMIT PINS 2,6
CN1j	.024 MAX		.150 .155	.322 .325	.024	.500 .559		.346 .350	.190 .210	.027 .034	.036	
CN1k	.010 .040		.165 .185	.305 .335	.040 MAX	.500 MIN	.016 .019	.335 .370	.230	.028 .034	.029 .045	
CN1m	.040 MAX	.160 MAX	.155 .165	.305 .335	.040 MAX	.500 MIN	.016 .019	.335 .370	.225 .235	.028 .034	.029 .045	
CN1n	NA	NA	.175 .194	.315 .325		.500 MIN	.019	.335 .370	.200	.031	.037	NO STANDOFF

CN2

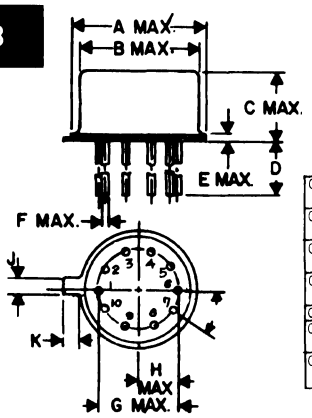


	A	B	C	D	E	F	G	H	J	K	NOTES
CN2	.500	.600	.140	.750	.023	.020	.400	.031	.031	.100	ALL PINS ON .100 GRID SPACING
CN2a	.450	.505	.150	.440		.019	.300 TYP	.031	.031	.100	ALL PINS ON .100 GRID SPACING
CN2b		.500	.250	.500 MIN			.300	.031	.031	.100	ALL PINS ON .100 GRID SPACING
CN2c	.550	.598 .602	.125 .150	.500 MIN		.017	.400	.031	.031	.100	ALL PINS ON .100 GRID SPACING
CN2d	.550 MAX	.605	.250 MAX	.562 MAX	.030	.015 .019	.400	.031	.031	.100	ALL PINS ON .100 GRID SPACING
CN2e	.535 .565	.585 .615	.170 MAX	.500 MIN	.035	.015 .019	.390 .410	.031	.031	.100	ALL PINS ON .100 GRID SPACING
CN2f	.500	.595 .605	.135 .145	.450 MIN	.023	.019 MAX	.400	.031	.031	.100	ALL PINS ON .100 GRID SPACING
CN2g	.500	.595 .605	.270 MAX	.450 MIN	.023	.019 MAX	.400	.031	.031	.100	ALL PINS ON .100 GRID SPACING
CN2h	.535 .565	.585 .615	.175 MAX	.500 MIN	.026 MAX	.015 .019	.400 TP	.020 .040	.020 .040	.100	ALL PINS ON .100 GRID SPACING
CN2j	.550 MAX	.605 MAX	.175 MAX	.562 MAX	.030 MAX	.015 .017	.400	.040 MAX	.040 MAX	.100	ALL PINS ON .100 GRID SPACING
CN2k	.550 MAX	.605 MAX	.135 .145	.450 MIN	.023	.015 .019	.400	.040 MAX	.040 MAX		
CN2m	.550 MAX	.605 MAX	.250 MAX	.450 MIN	.023	.015 .019	.400	.040 MAX	.040 MAX		
CN2n	.450	.500	.220 .280 MAX	.220 .280	.035 MAX	.016 .019	.300 TYP			.075 TYP	
CN2p	.550	.600	.150	.750 MIN	.023	.021	.400	.031	.031	.100	ALL PINS ON .100 GRID SPACING
CN2q	.550	.595 .605	.170 .180	.450 MIN	.023	.019 MAX	.400	.031	.031	.100	ALL PINS ON .100 GRID SPACING

CN5

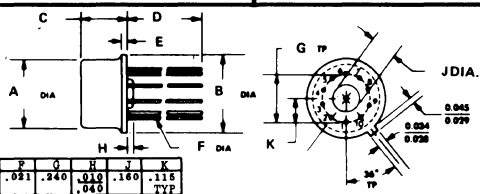


CN8



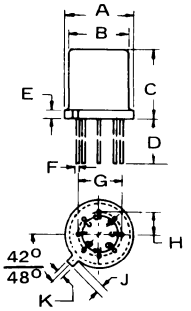
	A	B	C	D	E	F	G	H	J	K
CN8	.370	.329	.290	.500 MIN	.029		.235	.1175	.033 MAX	.040 MAX
CN8a	.370	.329	.260	.500 MIN	.029	.019	.235	.1175	.033 MAX	.040 MAX
CN8d	.370	.335	.180	.500 MIN	.125	.019	.230	.115	.034 MAX	.029 MIN
CN8e	.370	.335	.185	.300 TYP		.019	.230		.034 MAX	.034 MAX
CN8f	.370	.335	.250	.500		.018	.230	.115		
CN8g	.370	.335	.180	.750 MIN		.019	.230 TYP		.028 .034	.026 .034
CN8h	.370 MAX	.334 MAX	.183 MAX	.500 MIN		.014 MAX	.200		.033 MAX	.039 MAX

CN10



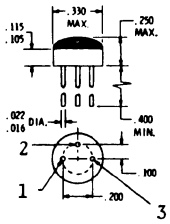
	A	B	C	D	E	F	G	H	J	K
CN10	.335	.370	.185	.500	.125	.021	.240	.010 .040	.160	.115 TYP
CN10a	.335	.370	.180	.500	.125	.019	.230	.010 .040	.160	.115 TYP
CN10b	.305 .335	.335 .370	.180 MAX	.750 TYP		.016 .019	.230			
CN10c	.335	.370	.180	.750		.019	.230	.010 .040	.160	.115 TYP
CN10d	.335	.370	.180	.500		.020	.230			
CN10e	.305 .335	.335 .370	.165 .185	.500 MIN	.040 MAX	.016 .019	.220 .240	.010 .040	.120 .160	.115
CN10f	.305 .335	.335 .370	.240 .260	.500 MIN	.040 MAX	.016 .019	.230	.040 MAX		.115
CN10g	.315 .335	.355 .370	.240 .260	.750 MIN	.020 .030	.016 .019	.220 .240	.015 .045	.120 .160	
CN10h	.315 .335	.355 .370	.165 .185	.750 .810	.020 .030	.016 .019	.220 .240	.015 .045	.120 .160	
CN10j	.305 .335	.335 .370	.180 MAX	.750 TYP	.040	.016 .019	.230 TYP			
CN10k	.305 .335	.335 .370	.240 .260	.500 MIN	.040 MAX	.016 .019	.230	.040 MAX	.140 .160	
CN10m	.305 .335	.335 .370	.180 MAX	.500 MIN	.040 MAX	.016 .019	.230 T.P.	NA	NA	.115 T.P.

CN11

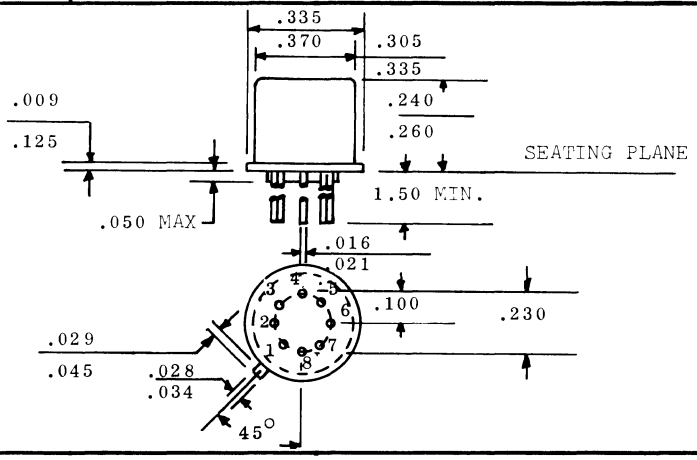


	A	B	C	D	E	F	G	H	J	K
CN11	.365	.330	.265	1.51 MIN	.035 MAX	.019	.210	.095 .105	.029 .035	.028 .034
CN11a	.376		.180	.600 MIN		.021	.200	.095 .105	.029 .035	.028 .034
CN11b	.376	.336	.182	.600 MIN	.060 MAX	.019	.210	.095 .105	.029 .035	.028 .034
CN11c	.376	.329	.185	.496 MIN	.029 MAX	.019	.235	.095 .105	.029 .035	.028 .034
CN11d	.360	.300	.280	.536	.030 MAX	.017	.200	.095 .105	.028 .035	.028 .034
CN11e	.340 .376	.318 .338	.165 .185	.560 .586	.010 .040	.016 .021	.190 .210		.026 .033	.026 .033

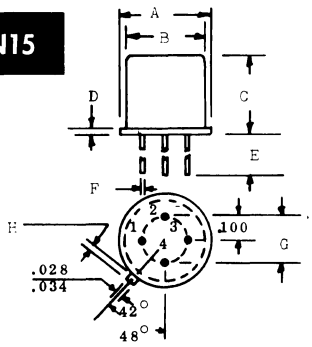
CN12



CN14

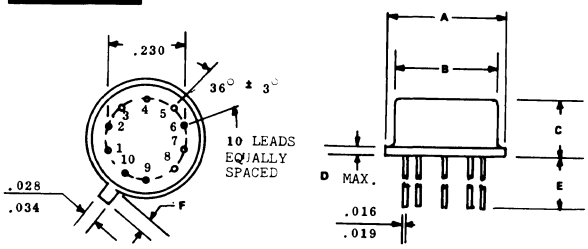


CN15



	A	B	C	D	E	F	G	H
CN15	.365	.330	.235	.035	1.5	.019	.210	.035
CN15a	.340	.195	.210	.040	.500	.017	--	.048

CN17

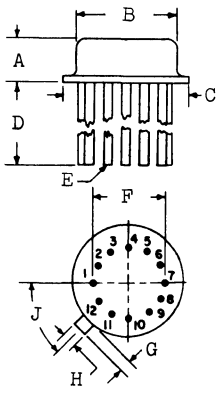


	A	B	C	D	E	F
CN17	.335 .370	.305 .333	.265	.040	.500	.029 .045
CN17a	.290 .370	.290 .335	.140 .180	.009 .125	.500	.029 .045
CN17b	.335 .370	.305 .335	.180 MAX		.750	.026 .034
CN17c	.335 .370	.305 .335	.185	.009 .125	.300 MIN	.029 .045
CN17d	.335 .370	.305 .335	.260	.009 .125	.500 MIN	.029 .045
CN17e	.370 MAX		.260 MAX		1.00 MIN	.029 .045
CN17f	.335 .370	.305 .335	.180 MAX		.335 .370	.024 .045
CN17g	.335 .370	.319 .329	.260 .290	.022 .029	.500	.030 .040

14. OUTLINE DRAWINGS

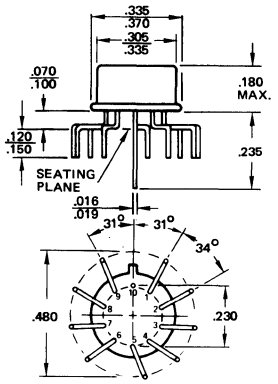
IN DRAWING NUMBER SEQUENCE

CN18

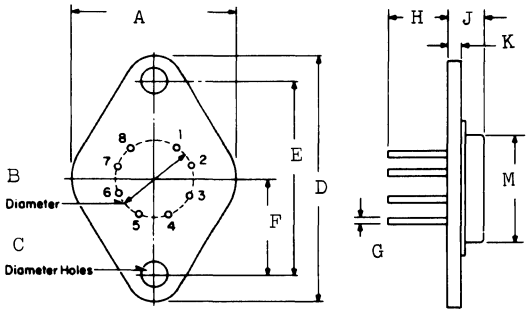


	A	B	C	D	E	F	G	H	J
CN18	.180 MAX	.305 .335	.335 .370	.500 MIN	.016 .020	.215 .245	.024 .045	.028 .034	30°
CN18a	.220 MAX	.305 .335	.335 .370	.500 MIN	.016 .020	.215 .245	.024 .045	.028 .034	
CN18b	.160 .180		.357 .370	.500 .560	.016 .021	.200			
CN18c	.150 .175	.545 .555	.597 .603	.500 .560	.016 .019	.400	.026 .036	.026 .036	45°

CN19

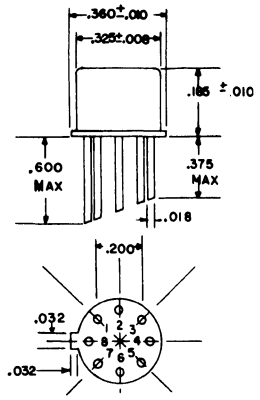


CN22

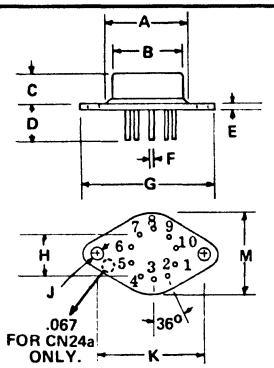


	A	B	C	D	E	F	G	H	J	K	M
CN22	1.01	.500	.156	1.54	1.18	.593	.040	.220 .280	.240	.085 .100	.100
CN22b	1.000	.500	.156	1.540	1.185			.400	.400	.080	.745
CN22c	1.000	.500		1.550 MAX	1.187		.042	.220 .280	.350 MAX	.085 .100	.780 MAX
CN22d		.495 .505	.166 .176		1.18 1.19		.040	.220 .280	.356 .395	.085 .100	.875 MAX

CN23

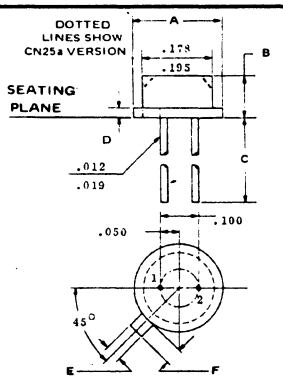


CN24



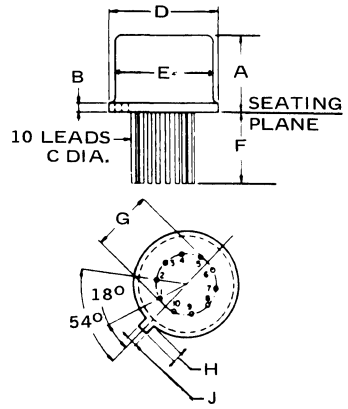
	A	B	C	D	E	F	G	H	J	K	M
CN24	.846 MAX	.780 MAX	.335	.252	.087	.039	1.57	.500	.157	1.20	1.01
CN24a		.811	.236	.335	.079	.039	1.55	.500		1.18	1.03

CN25



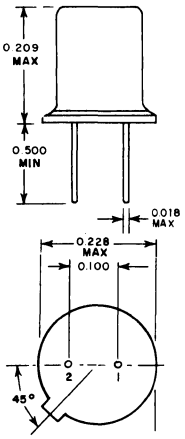
	A	B	C	D	E	F
CN25	.209 .230	.090	.500 MIN	.040 MAX	.036 .046	.028 .048
CN25a	.224	.208	.511			

CN27

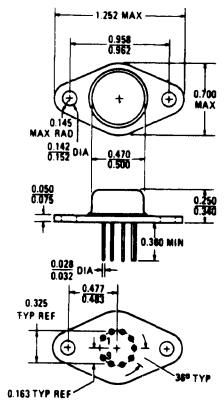


	A	B	C	D	E	F	G	H	J
CN27	.210 MAX	.009 .125	.016 .021	.370 MAX	.335 MAX	.500 MIN	.200	.029 .045	.028 .034
CN27a	.165 .185	.010 .080	.016 .019	.370 MAX	.335 MAX	.500 MIN	.200	.029 .045	.028 .034
CN27b	.165 .185	.010 .040	.016 .021	.340 .370	.318 .328	.500 .560	.190 .210	.029 .033	.028 .034

CN28



CN30

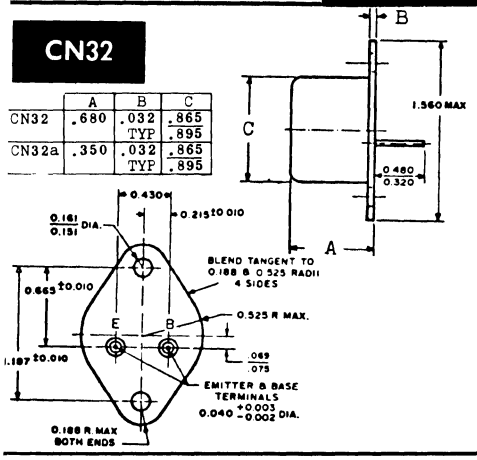


14. OUTLINE DRAWINGS

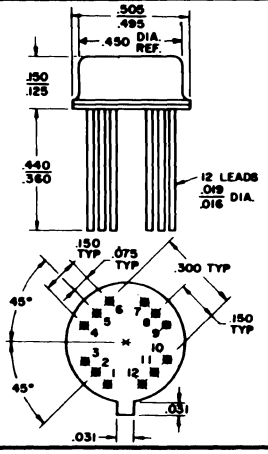
IN DRAWING NUMBER SEQUENCE

CN32

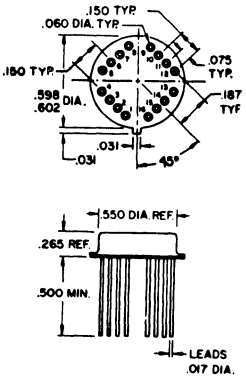
	A	B	C
CN32	.680	.032	.865
		TYP	.895
CN32a	.350	.032	.865
		TYP	.895



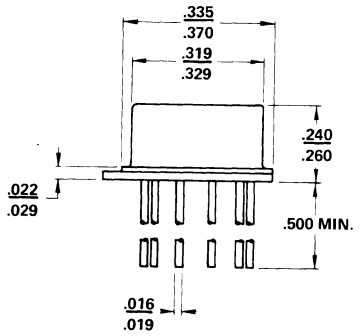
CN34

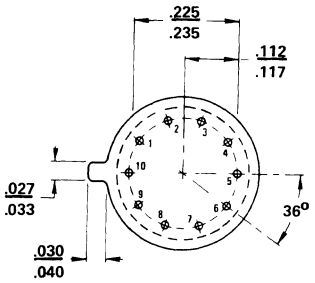


CN35

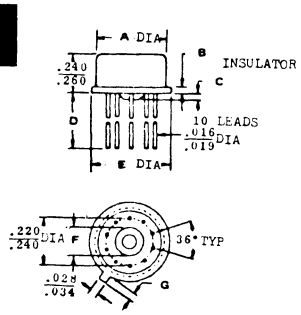


CN36



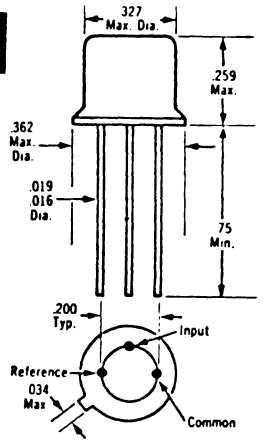


CN37



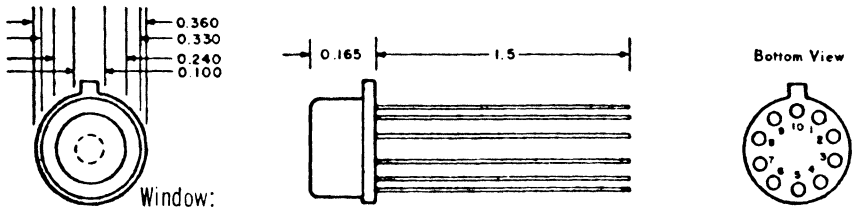
	A	B	C	D	E	F	G
CN37	.315	.020	.015	.750	.355	.120	.030
	.325	.030	.045	MIN	.370	.160	.040
CN37a	.305	.040	.040	.500	.335	.115	.029
	.339	MAX	MAX	MIN	.370		.045

CN38



CN39

Lead radius - 0.100 inches



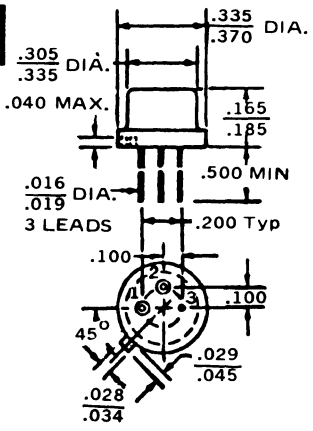
Window:

0.240 inch diameter, 0.050 inch thick.
Corning 7052 glass.
Distance, outer window to active surface - 0.115 inch nominal

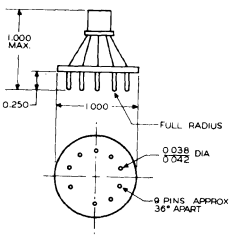
Active Photodiode:

Diameter - 0.100 inch
Area 0.051 cm^2

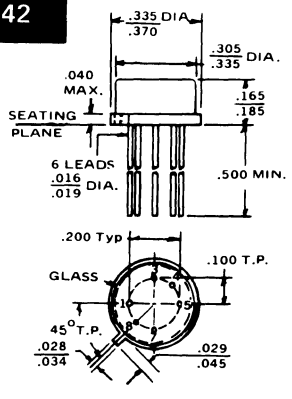
CN40



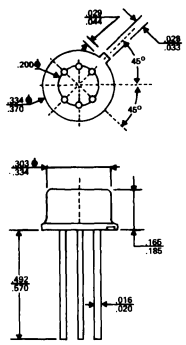
CN41



CN42



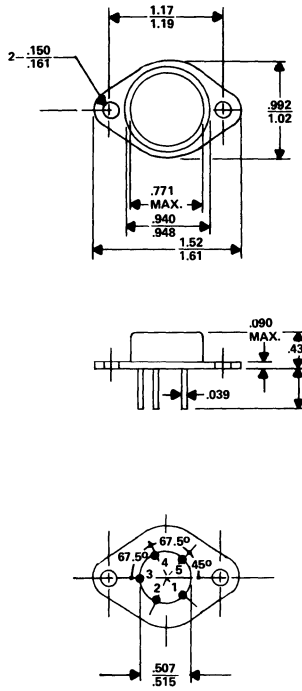
CN44



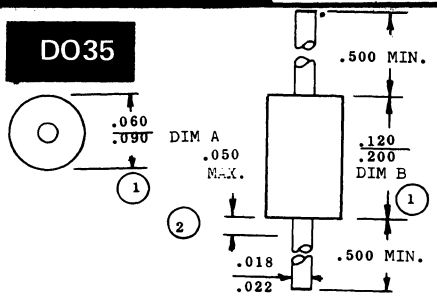
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

CN45

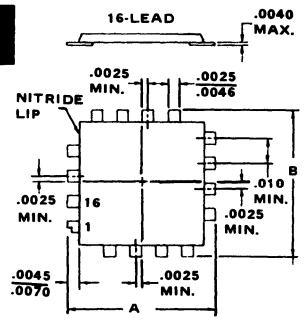


DO35



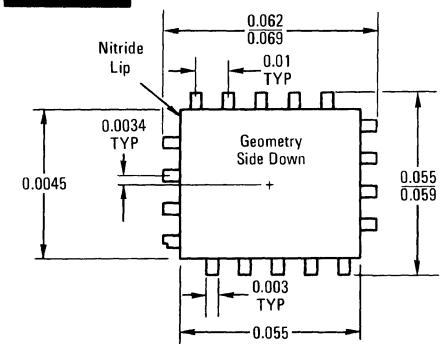
1. PACKAGE CONTOUR OPTIONAL WITHIN DIMENSIONS A & B. SLUGS, IF ANY, SHALL BE INCLUDED WITHIN THIS CYLINDER BUT SHALL NOT BE SUBJECT TO THE MINIMUM LIMIT OF DIM. A.
2. LEAD DIAMETER NOT CONTROLLED IN THIS ZONE TO ALLOW FOR FLASH, LEAD FINISH BUILD-UP, AND MINOR IRREGULARITIES OTHER THAN SLUGS.

FC1

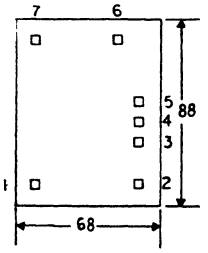


	A	B
FC1	.054 .057	.054 .057
FC1a	.052 .059	.052 .059

FC2



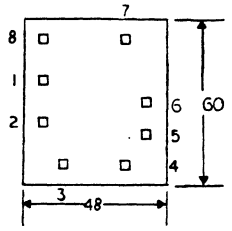
FC3



All dimensions are nominal and in mils (10^{-3} inches).

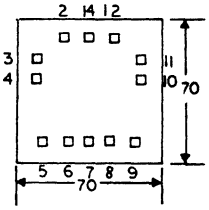
FC4

All dimensions are nominal and in mils (10^{-3} inches).



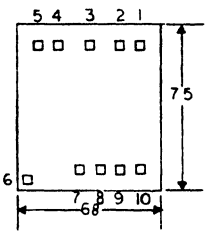
FC5

All dimensions are nominal and in mils (10^{-3} inches).



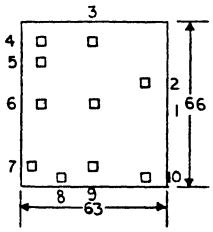
FC6

All dimensions are nominal and in mils (10^{-3} inches).



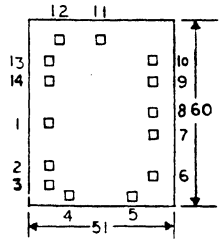
FC7

All dimensions are nominal and in mils (10^{-3} inches).



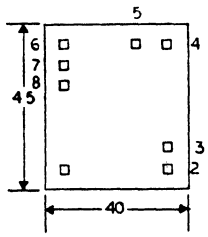
FC8

All dimensions are nominal and in mils (10^{-3} inches).



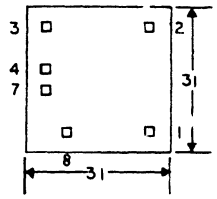
FC9

All dimensions are nominal and in mils (10^{-3} inches).



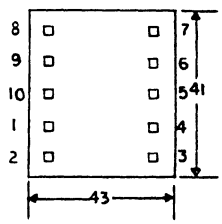
FC10

All dimensions are nominal and in mils (10^{-3} inches).



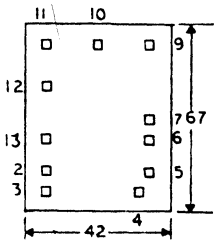
FC11

All dimensions are nominal and in mils (10^{-3} inches).



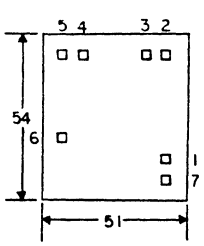
FC12

All dimensions are nominal and in mils (10^{-3} inches).



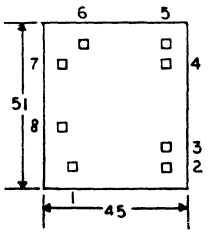
FC13

All dimensions are nominal and in mils (10^{-3} inches).

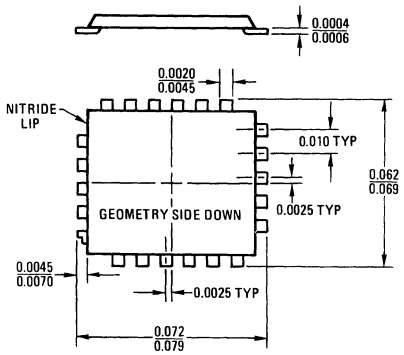


FC14

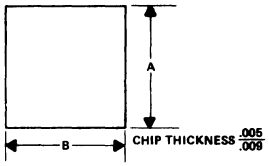
All dimensions are nominal and in mils (10^{-3} inches).



FC15

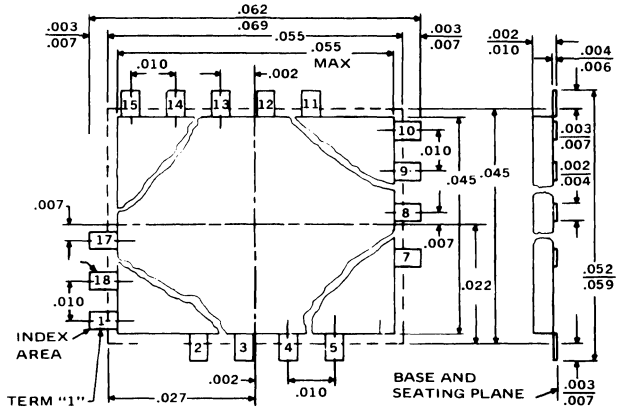


FC16

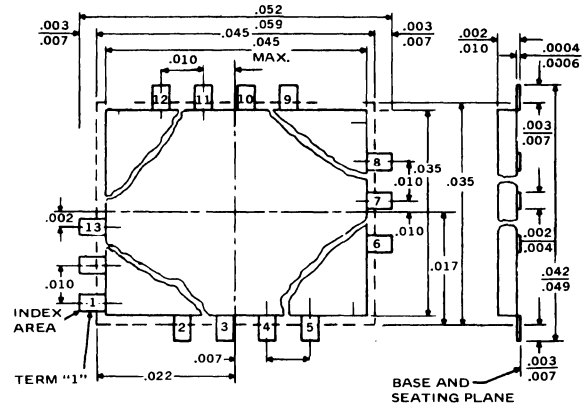


	A	B
FC16	.047 .055	.047 .055
FC16a	.042 .050	.042 .050
FC16b	.058 .066	.062 .070
FC16c	.037 .045	.037 .045
FC16d	.052 .060	.057 .065
FC16e	.047 .055	.052 .060
FC16f	.025 .033	.025 .033
FC16g	.053 .061	.057 .065
FC16h	.052 .060	.052 .060
FC16j	.049 .057	.048 .056
FC16k	.064 .072	.068 .076
FC16m	.029 .037	.029 .037
FC16n	.052 .060	.059 .067
FC16p	.062 .070	.070 .078
FC16q	.055 .063	.056 .064
FC16r	.048 .056	.049 .057
FC16s	.047 .055	.050 .058
FC16t	.027 .035	.032 .040
FC16u	.044 .052	.044 .052
FC16v	.051 .059	.054 .062
FC16w	.045 .057	.051 .059
FC16x	.054 .062	.058 .066
FC16y	.054 .062	.061 .069
FC16z	.052 .060	.101 .109

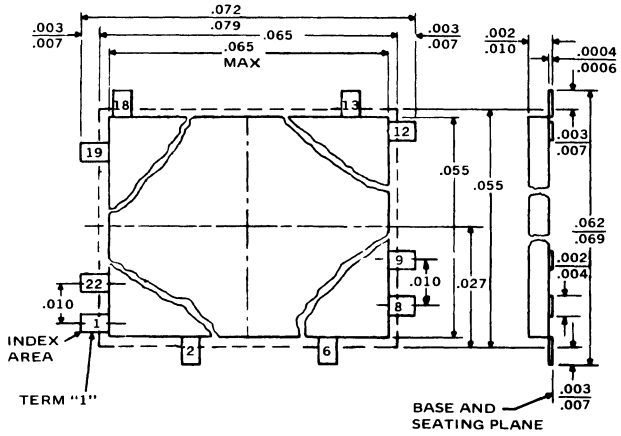
FC17



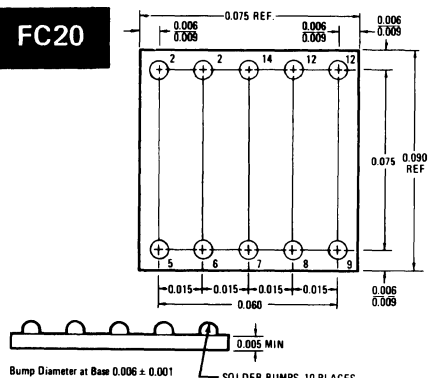
FC18



FC19

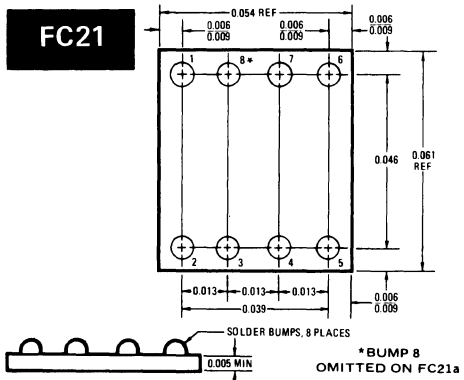


FC20



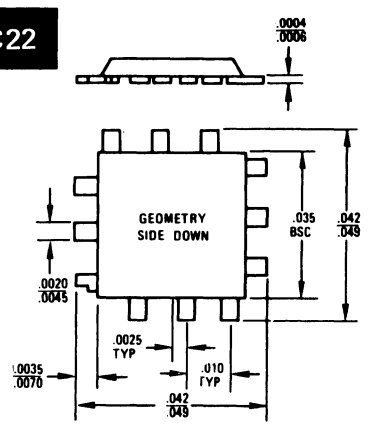
Bump Diameter at Base 0.006 ± 0.001
Bump Height: 0.0040 ± 0.0005
Each bump centerline to be located within 0.001 of its true position with respect to any other bump centerline.

FC21

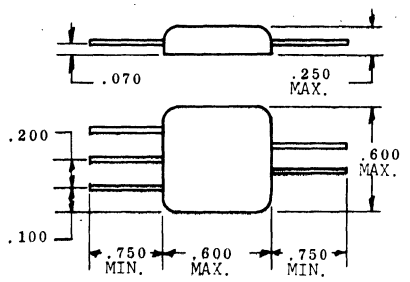


Bump Dia. at Base 0.006 ± 0.001 in. Bump Height 0.0040 ± 0.0005 in.
Each bump centerline to be located within 0.001 in. of its true position with respect to any other bump centerline.

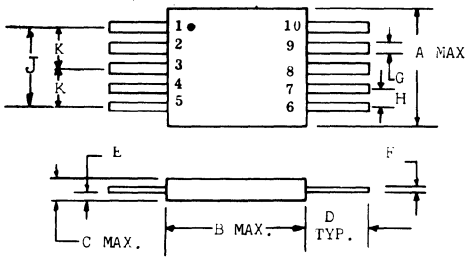
FC22



FP1

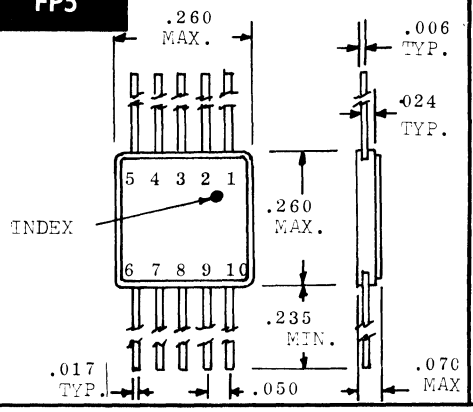


FP2

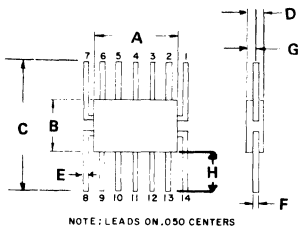


	A	B	C	D	E	F	G	H	J	K
FP2	.260	.260	.070	.250	.024		.019	.050		
FP2a	.260	.260	.060	.250	.024		.019	.050		
FP2b	.290	.260	.075	.070 MIN	.035	.006	.019	.055	.210	
FP2c	.265		.070	.210 MIN	.010 MIN	.009	.018	.050	.200	
FP2d	.260	.260	.050	.188 MAX				.050		
FP2e	.260	.260	.050	.188 TYP				.050		
FP2f	.225	.250	.055							
FP2g	.255	.260	.065	.250		.005	.019	.055		
FP2h	.250	.250	.050 TYP	.210 MIN	.015 TYP	.004 TYP	.019	.050	.200	
FP2J	.255	.255	.070	.250 MIN	.035 MAX		.012	.050		
FP2k	.240 .260	.240 .260		.184 MAX		.003 .005	.014 .019	.045 .055		
FP2m		.265	.070	.210 MIN	.010 MIN	.003 .004	.018 .016	.048 .052	.196 .204	
FP2n	.260 MAX	.260 MAX	.070	.250 MIN	.024 TYP	.004 .006	.015 .019	.050 TYP		
FP2p	.260	.150	.050	.180 MIN	.022	.003 .005		.050	.190 .210	
FP2q	.275 MAX	.170 MAX								
FP2r	.290 MAX	.260 MAX	.070 MAX	.250 MIN	.010 .035	.003 .006	.010 .019	.045 .055		.095 .105
FP2s	.250 .260	.140 .150	.035 .050	.165 .175 REF	.008 .018	.003 .005	.010 .013	.050 TP		

FP5

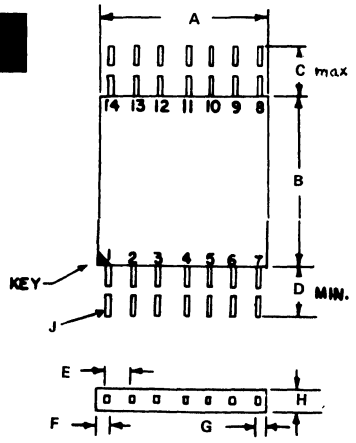


FP6



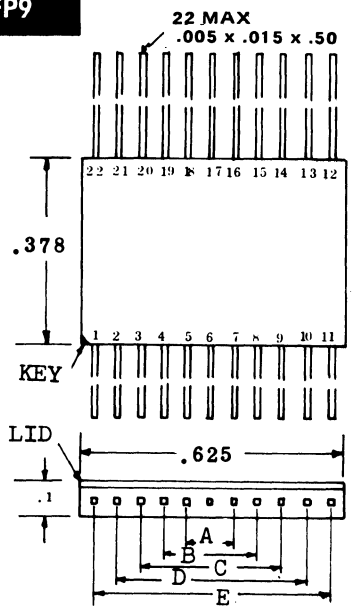
	A	B	C	D	E	F	G	H
FP6	.260 MAX	.260 MAX	.730 TYP	.070 MAX	.017 TYP	.006 TYP	.024	
FP6a	.240 .260	.240 .260	.608 .628	.065 MAX	.014 .019	.003 .005	SYM	
FP6c	.250 MAX	.250 MAX	.670 TYP	.055 MAX				
FP6d	.260 MAX	.260 MAX	1.00 MAX	.050 .065	.015 .020		SYM	
FP6e	.260 MAX	.260 MAX		.070 MAX	.017 TYP	.004 TYP	.024	.235 MIN
FP6f	.260 MAX	.260 MAX	1.00 TYP	.070 MAX	.015 .019	.004 .006	.024 TYP	
FP6g	.265 MAX	.265 MAX		.060 MAX	.016 .019	.004 .006		
FP6h	.250 .260	.140 .150	.490 .510	.035 .050	.010 .013	.003 .005	.008 .018	.165 .175

FP7



	A	B	C	E	F	H	J
FP7	.390	.390	.500	.050		.075	.005X.015
FP7a	.390	.415	.275			.075	.003X.015
FP7c	.390 MAX	.390 MAX	.500	.055 MAX	.040 MAX	.100	.005X.015
FP7d	.390 MAX	.415 MAX	.275	.055 MAX	.040 MAX	.100	.005X.015
FP7e	.390 MAX	.265 MAX				.070 MAX	.016 .019

FP9

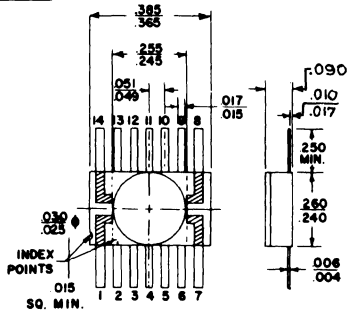


SYMBOL	MIN.	MAX.
A	.045	.055
B	.095	.105
C	.145	.155
D	.195	.205
E	.245	.255

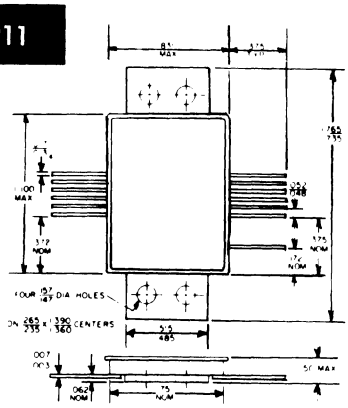
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

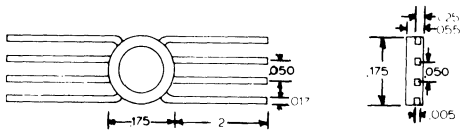
FP10



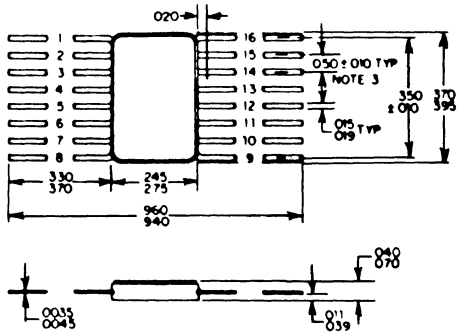
FP11



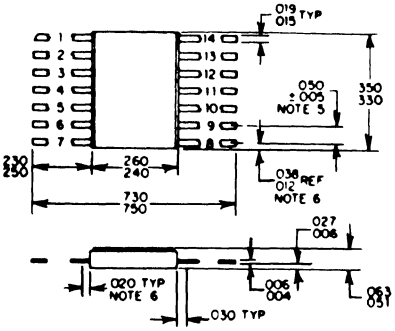
FP12



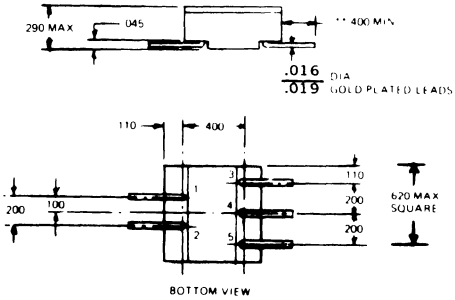
FP13



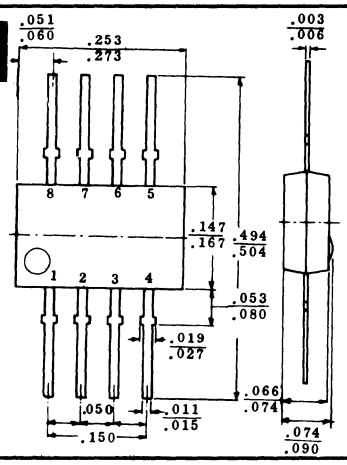
FP14



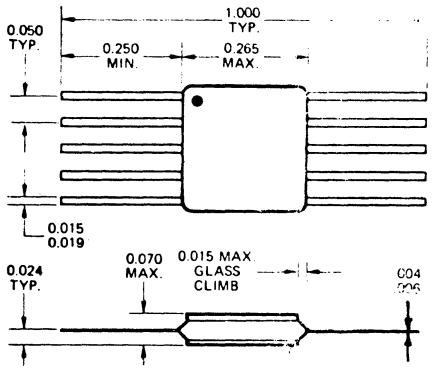
FP15



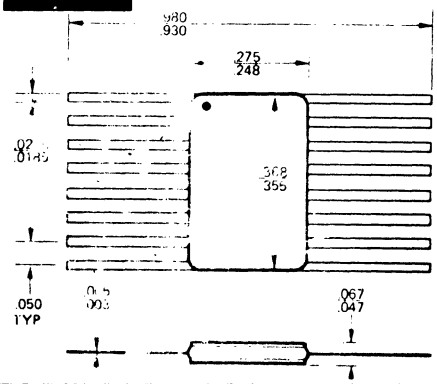
FP16



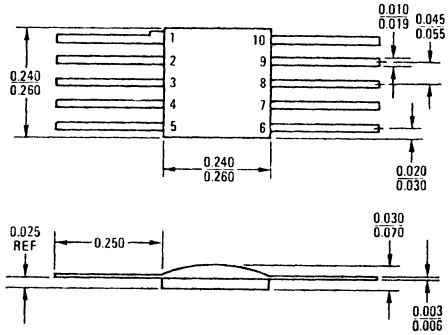
FP18



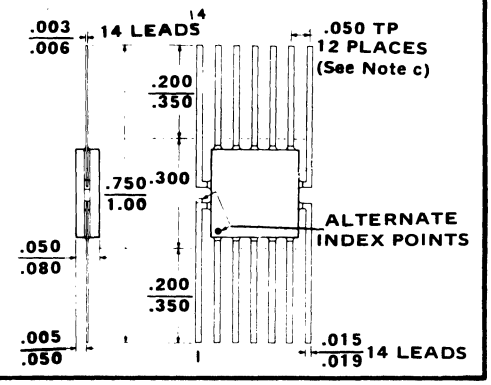
FP19



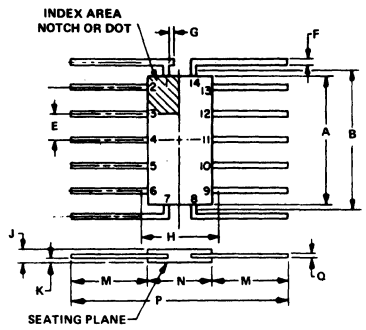
FP21



FP22

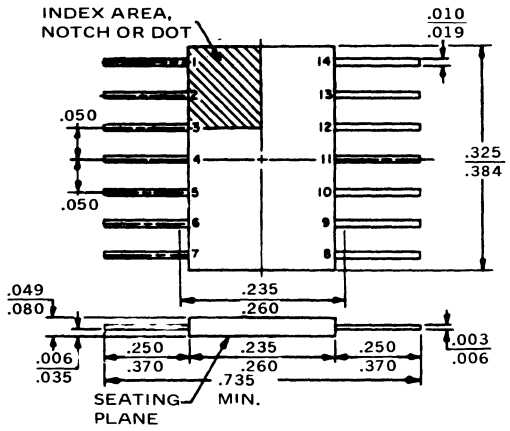


FP24

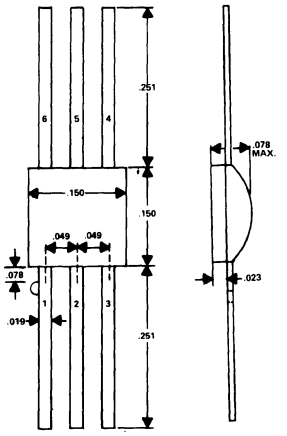


	A	B	E	F	G	H	J	K	M	N	P	Q
FP24	.240 .260	.270 MAX	.050	.010 .019	.010 .015	.280 MAX	.030 .070	.010 .035	.250 .370	.240 .260	.740 MIN	.003 .006
FP24a	.240 .260	.270 MAX	.050	.010 .019	.010 .015	.165 MAX	.030 .070	.010 .035	.165 .250	.120 .155	.450 .760	.003 .006

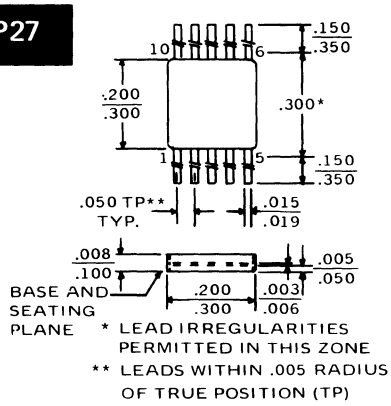
FP25



FP26



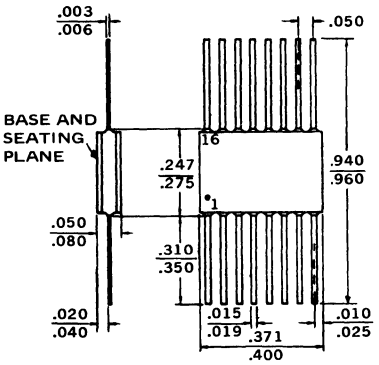
FP27



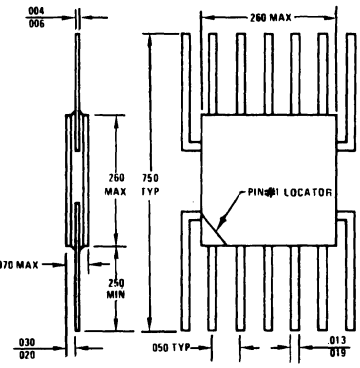
* LEAD IRREGULARITIES PERMITTED IN THIS ZONE

** LEADS WITHIN .005 RADIUS OF TRUE POSITION (TP)

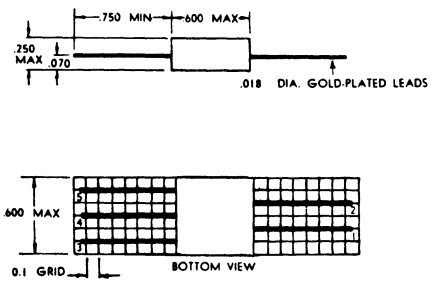
FP28



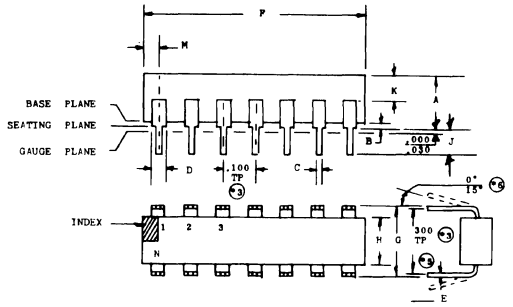
FP29



FP30

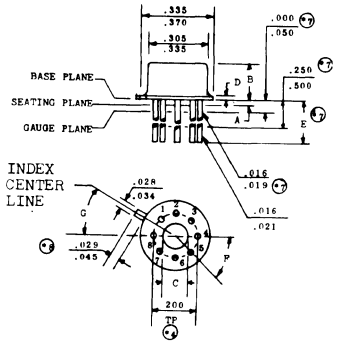


MO001



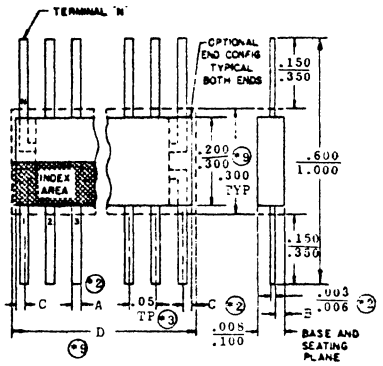
	A	B	C	D	E	F	G	H	J	K	M	NO. OF LEADS
MO001AA	.200 MAX	.020 MIN	.015 .023	.030 .070	.008 .015	.660 .785	.325 MAX	.220 .280	.100 MIN			14
MO001AB	.155 .200	.020 .050	.014 .020	.050 .065	.008 .012	.745 .770	.300 .325	.240 .260	.125 .150	.040 .075	.065 .090	14
MO001AC	.155 .200	.020 .050	.014 .020	.035 .065	.008 .012	.745 .785	.300 .325	.240 .260	.125 .150	.040 .075	.015 .060	16
MO001AD	.120 .160	.020 .065	.014 .020	.050 .065	.008 .012	.745 .770	.300 .325	.240 .260	.125 .150	.050 .085	.065 .090	14
MO001AE	.120 .160	.020 .065	.014 .020	.035 .065	.008 .012	.745 .785	.300 .325	.240 .260	.125 .150	.050 .085	.015 .060	16

MO002



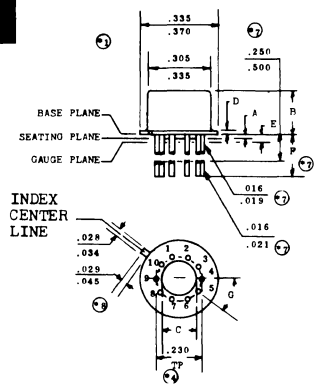
	A	B	C	D	E	F	NO. OF LEADS	NO. OF LEADS MISSING	G
MO002AA	.010 .040	.240 .260	.140 .160	.040 MAX	.500 MIN	45° TP	8	1	22.5° TP
MO002AB	.010 .040	.240 .260	.140 .160	.040 MAX	.500 MIN	45° TP	8	3	0° TP
MO002AC	0 0	.240 .260	0 0	.040 MAX	.500 MIN	30° TP	12	1	15° TP
MO002AD	0 0	.240 .260	0 0	.040 MAX	.500 MIN	36° TP	10	1	18° TP
MO002AE	0 0	.240 .260	0 0	.040 MAX	.500 MIN	60° TP	6	1	0° TP
MO002AF	0 0	.240 .260	0 0	.040 MAX	.500 MIN	45° TP	8	3	0° TP
MO002AG	0 0	.165 .185	0 0	.040 MAX	.500 MIN	45° TP	8	3	0° TP
MO002AH	0 0	.140 .160	0 0	.040 MAX	.500 MIN	45° TP	8	3	0° TP
MO002AJ	0 0	.085 .105	0 0	.040 MAX	.500 MIN	45° TP	8	3	0° TP
MO002AK	.010 .040	.165 .185	.140 .160	.040 MAX	.500 MIN	45° TP	8	3	0° TP
MO002AL	.010 .050	.165 .185	.125 .160	.020 .040	.500 .562	45° TP	8	3	0° TP

MO004



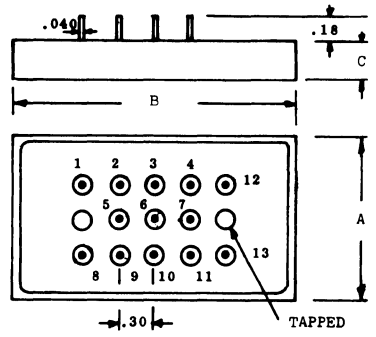
	A	No. OF LEADS	B	C	D
MO004AA	.015 .019	14	.005 .050	.000 .025	.350 TYP
MO004AB	.013 .017	14	.005 .050	.000 .025	.350 TYP
MO004AC	.015 .019	14	.000 .097	.000 .025	.350 TYP
MO004AD	.015 .019	10	.005 .050	.000 .050	.300 TYP
MO004AE	.015 .019	10	.005 .050	.000 .025	.250 TYP
MO004AF	.015 .019	14	.005 .050	.000 .050	.400 TYP
MO004AG	.015 .019	16	.005 .050	.000 .025	.400 TYP
MO004AH	.015 .019	16	.005 .050	.000 .050	.450 TYP

MO006



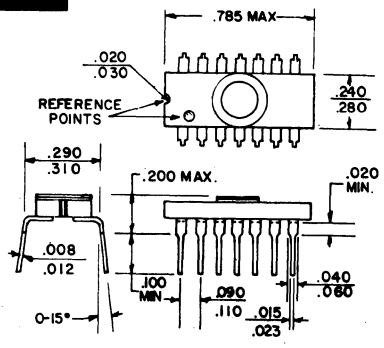
	A	B	C	D	E	F	G	NO. OF LEADS
MO006AA	.010 .040	.240 .260	.140 .160	.040 MAX	.050 MAX	.500 MIN	36° TP	10
MO006AB	0 0	.240 .260	0 0	.040 MAX	.050 MAX	.500 MIN	36° TP	10
MO006AC	0 0	.140 .160	0 0	.040 MAX	.050 MAX	.500 MIN	36° TP	10
MO006AD	.010 .140	.165 .185	.140 .160	.040 MAX	.050 MAX	.500 MIN	36° TP	10
MO006AE	.010 .040	.165 .185	.140 .160	.040 MAX	.050 MAX	.500 MIN	30° TP	12
MO006AF	0 0	.165 .185	0 0	.020 .040	.000 .050	.500 .562	36° TP	10
MO006AG	0 0	.165 .185	0 0	.020 .040	.000 .050	.500 .562	30° TP	12

MP2



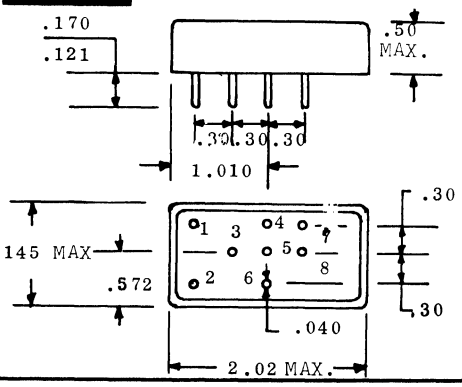
	A	B	C	PINS OMITTED
MP2	1.20	1.80	.600	4,6,11,12,13
MP2a	1.80	2.40	.600	6,12,13
MP2b	2.00	2.00	1.00	4,5,6,11,12,13
MP2c		1.80	.600	4,6,11,12,13
MP2d	1.20	1.80	.600	4,5,6,11,12,13
MP2e	1.80	2.40	.600	4,5,6,11,12,13
MP2f	1.80	2.40	.600	2,4,5,6,9,11,12,13
MP2g	1.80	2.40	.600	12,13
MP2h	1.80	2.40	.600	4,11,12,13
MP2j	1.20	1.80	.600	2,4,5,6,9,11,12,13
MP2k	2.00	2.00	.700	2,4,5,6,9,11,12,13
MP2m	1.80	2.40	.600	4,6,7,11,12,13
MP2n	1.80	2.40	.600	2,3,4,5,6,7,9,11
MP2p	1.80	2.40	.600	4,6,11,12,13
MP2q	1.20	1.80	.600	6,12,13
MP2r	1.20	1.80	.600	2,4,6,9,11,12,13
MP2s	1.80	2.40	.600	2,5,6,9,12,13

MP3



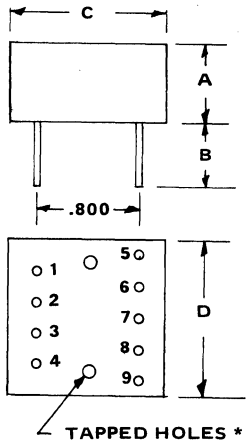
MP4

MP4a-OMIT PIN NO. 7



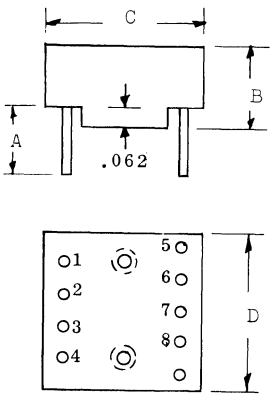
MP5

	A	B	C	D	REMARKS	TAPPED HOLES
MP5	.580	.20	1.125	1.125		
MP5a	.635	1.5	1.125	1.125		
MP5b	.500	1.5	1.125	1.125		
MP5c	.580	.20	1.125	1.125	PINS 1and4 OMITTED	
MP5d	.580	.20	1.125	1.125	PINS 1,4,6 OMITTED	
MP5e	.375	.20	1.125	1.125	PINS 1and4 OMITTED	
MP5f	.500	.20	1.125	1.125	PINS 1and4 OMITTED	
MP5g	.515	.25	1.125	1.125	PINS 1and4 OPTIONAL and 6 OMITTED	*
MP5h	.630	.25	1.125	1.125	PINS 1and4 OPTIONAL	*
MP5j	.630	.25	1.125	1.125	PINS 1and4 OPTIONAL and 6 OMITTED	*
MP5k	.500	.20	1.00	1.125	PINS 1and4 OMITTED	
MP5m	.620	.20	1.50	1.125	PINS 1and4 OMITTED	
MP5n	.400	.25	1.50	1.125	PINS 1and4 OMITTED	
MP5p	.570	.25	1.13	1.125	PINS 1and4 OMITTED	
MP5q	.400	.25	1.5	1.125		
MP5s	.400	.20	1.13	1.125	PINS 1and4 OMITTED	
MP5u	.400	.25	1.1	1.1	PINS 1and4 OPTIONAL and 6 OMITTED	*
MP5v	.420	.25	1.1	1.1	PINS 1and4 OPTIONAL	*
MP5x	.25	.50	.60	.60	PINS 1and4 OMITTED	
MP5y	.50	.50	1.13	1.13	PINS 1and4 OMITTED	
MP5z	.50	.50	1.13	1.13	PIN 4 OMITTED	
MP5aa	.400	1.00	1.12	1.12	PINS 1and4 OMITTED	
MP5ab	.400	.250	1.50	1.50		
MP5ac	.400	.250	1.50	1.50	PINS 1and4 OMITTED	
MP5ad	.430	.250	1.12	1.12	PINS 1and4 OMITTED	
MP5ae	.625	.250	2.50	1.14		
MP5af	.630	.20	1.12	1.12	PINS 1and4 OMITTED	
MP5ak	.500	.500	1.13	1.13		
MP5am	.500	.250	1.12	1.12	PINS 1,4,9 OMITTED	
MP5an	.630	.250	1.5	1.5	PINS 1and4 OMITTED	*
MP5aq	.400	.250	1.1	1.1	PINS 1,4,6 OMITTED	
MP5ar	.630	.250	1.1	1.1	PIN 6 OMITTED	
MP5au	.400	.200	1.50	1.50	PINS 1and4 OMITTED	
MP5av	.625		3.50	2.50	PIN 4 OMITTED	
MP5aw	.500	.250	1.50	1.50	PINS 1and4 OMITTED	
MP5ax	.500	.500	1.13	1.13	PINS 1and4 OMITTED	
MP5ay	.500	.250	1.50	1.50	PIN 4 OMITTED	
MP5az	.500	.500	1.50	1.50		
MP5ba	.580	.200	1.12	1.12	PINS 1and4 OMITTED	*
MP5bb	.625	1.5	1.125	1.125	PINS 1and4 OMITTED	
MP5bc	.580	.200	1.12	1.12	PIN 6 OMITTED	
MP5bd	.500	.220	1.50	1.50		
MP5be	.380	.220	2.50	1.75		
MP5bf	.400 MAX	.200 .250	1.00	1.00	PINS 1and4 OMITTED	
MP5bg	.500	.200 MIN	1.50	1.50		
MP5bh	.620	.200 .250	1.50	1.50	PIN 4 OMITTED	
MP5bj	.580	.220	1.12	1.12	PINS 1and4 OMITTED	
MP5bk	.375	.250 MIN	1.125	1.125		
MP5bm	.610 MAX	.200 MIN	1.51 MAX	1.51 MAX		
MP5bn	.500	.200 .250	1.00	1.00	PINS 1and4 OMITTED	
MP5bp	.635 MAX	.200 .250	2.03 MAX	1.15 MAX		
MP5bq	.400 MAX	.200 .250	1.13 MAX	1.13 MAX	PINS 1and4 OMITTED	
MP5br	.520 MAX	.250 MIN	2.70 MAX	1.50 MAX		
MP5bs	.500 MAX	.200 MIN	2.00	1.50		
MP5bt	.590	.200 MIN	1.12	1.12	PINS 1,4 and 6 OMITTED	
MP5bu	.520 MAX	.200 MIN	1.02 MAX	1.02 MAX	PINS 1 and 4 OMITTED	
MP5bv	.415 MAX	.200 MIN	1.51 MAX	1.51 MAX	PINS 1 and 4 OMITTED	
MP5bw	.600	.200 MIN	1.50	1.50	PINS 1 and 4 OMITTED	
MP5bx	.400 MAX	.200 MIN	1.50 MAX	1.50 MAX		
MP5by	.500 MAX	.200 MIN	1.12 MAX	1.12 MAX		
MP5bz	.500 MAX	.200 MIN	1.12 MAX	1.12 MAX	PINS 1 and 4 OMITTED	
MP5ca	.500 MAX	.200 MIN	1.12 MAX	1.12 MAX	PINS 1,4,6and9 OMITTED	
MP5cb	.400 MAX	.200 MIN	1.50 MAX	1.50 MAX	PIN 4 OMITTED	
MP5cc	.500 MAX	.200 MIN	1.50	1.50	PINS 1 and 4 OMITTED	
MP5cd	.400	.200 .250	1.00 MAX	1.00 MAX	NONE	NO
MP5ce	.500 MAX	.200 MIN	1.12	1.12	PIN 1,4,7and9 OMITTED	NO



MP6

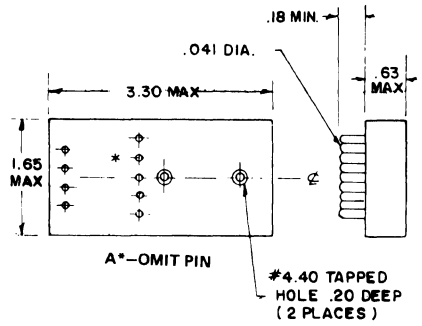
	A	B	C	D	REMARKS
MP6	.190	.625	1.125	1.125	PINS 1and4 OMITTED AND TAPPED HOLES OPTIONAL
MP6a	1.50	.625	1.125	1.125	WITHOUT TAPPED HOLES
MP6b		.625	1.125	1.125	PINS 1and4 OMITTED AND WITHOUT TAPPED HOLES
MP6c	.200	.625	1.125	1.125	PINS 1and4 OMITTED AND WITHOUT TAPPED HOLES
MP6e	1.06	.620	1.20	1.12	PINS 1and4 OMITTED and WITHOUT TAPPED HOLES
MP6f	1.00	.620	1.12	1.12	PINS 1and4 OMITTED and WITHOUT TAPPED HOLES
MP6g	.200 .250	.640 MAX	1.13 MAX	1.13 MAX	PINS 1and4 OMITTED and WITHOUT TAPPED HOLES
MP6h	.250	.620	1.12	1.12	PINS 1,4,5 OMITTED
MP6j	.250	.687	1.125	1.125	PINS 1and4 OMITTED
MP6k	.250	.687	1.125	1.125	PINS 1and4 OMITTED and WITHOUT TAPPED HOLES
MP6m	.250	.620	1.12	1.12	PINS 1and4 OMITTED
MP6n	.795	.270	.615	.615	PINS 1,2,6and8 OMITTED and WITHOUT TAPPED HOLES
MP6p	.250 MIN	.625	1.125	1.125	NO PINS OMITTED and NO TAPPED HOLES
MP6q	.250 MIN	.500	1.125	1.125	NO PINS OMITTED and NO TAPPED HOLES
MP6r	.545	.290 MAX	.620 MAX	.620 MAX	PINS 1,4,6,8 OMITTED and WITHOUT TAPPED HOLES
MP6s	.795	.290 MAX	.620 MAX	.620 MAX	PINS 1,4,6,8 OMITTED and WITHOUT TAPPED HOLES



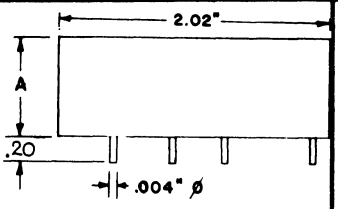
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

MP7

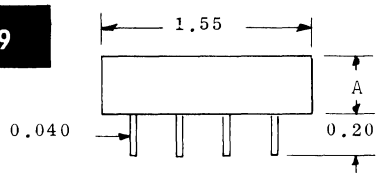


MP8



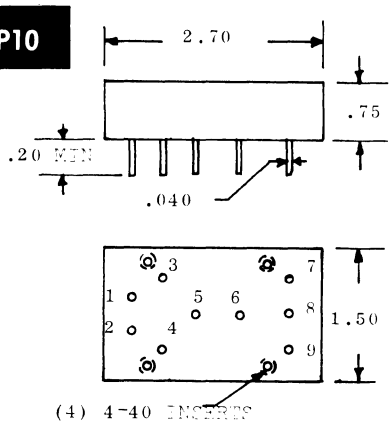
	A	
MP8	.625	
MP8a	.400	
MP8b	.625	*-PIN OMITTED
MP8c	.400	*-PIN OMITTED

MP9

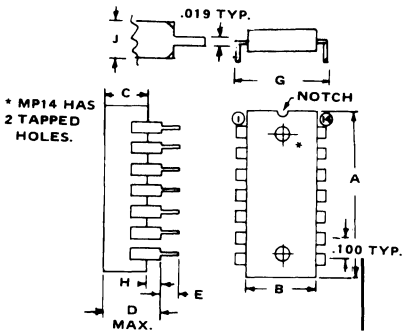


	A	
MP9	.750	
MP9a	.600	* MISSING THIS PIN

MP10

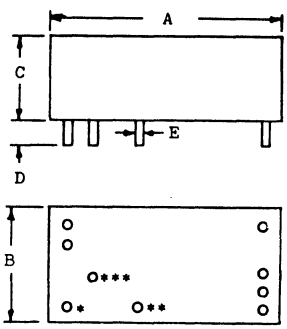


MP14



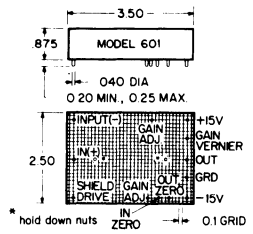
	A	B	C	D	E	G	H	J
MP14	.750	.250	.145	.180 MAX	1.00 MIN	.310	.020 MIN	
MP14b	.715	.270	.120		.180	.305	.020 MIN	
MP14c	.715	.265	.110	.145	.145	.350	.020 MIN	
MP14d	.760	.260	.120	.150	.160		.020 MIN	
MP14g	.697	.256	.177	.197	.0196	.394	.020 MIN	
MP14h	.750	.260		.160 MAX	.120 MIN		.015 MIN	
MP14j	.690	.250	.200	.220	.080	.350	.020 MIN	
MP14k	.790		.180	.200	.165		.020 MIN	
MP14m	.710	.235 .270	.100 .120	.150 .190	.120 .130	.350 TYP	.050 .070	.045 TYP
MP14p	.700 .720	.215 .235	.160	.187	.110 TYP	.350 TYP	.020 MIN	
MP14r	.725 MAX	.265 MAX	.160	.180 MAX	.125	.360 MAX	.020	
MP14s	.745 .770	.260 .280	.140	.160	.150 MIN	.290 .310	.020 MIN	
MP14t	.780 MAX	.240 .280	.185	.200		.300 .400	.015	.040 .050
MP14u	.750 MAX	.500	.185	.200		.600 .700	.015	.040 .050
MP14v	.750 .785	.245 .271	.185	.200 MAX	.100 .165	.375	.015 MIN	
MP14w	.740 .770	.240 .280	.145	.160 MAX	.120 MIN	.325 .375	.015 MIN	.040 .050
MP14x	.755 .785	.265 .291	.150 MIN	.170 .219	.100 .165	.375	.020 MIN	.045 .065
MP14y	.765	.256	.140	.170	.125	.300	.020 .040	
MP14z	.660 .785	.220 .280	.200 MAX	.255 MAX	.100 MIN	.290 .310	.015 .055	.030 .070
MP14aa	.696 MAX	.253 MAX	.056	.140	.143	.299	.029	

MP17



	A	B	C	D	E	REMARKS
MP17	2.87	1.37 MAX	.99 MAX	.250 MAX	.040	TAPPED HOLES OMITTED *-NC
MP17a	2.87	1.37 MAX	.99 MAX	.250 MAX	.040	TAPPED HOLES OMITTED *-CONNECTED
MP17b	2.87	1.37 MAX	.99 MAX	.250 MAX	.040	WITH TAPPED HOLES *-NC
MP17c	2.87	1.37 MAX	.99 MAX	.250 MAX	.040	TAPPED HOLES OMITTED *-NC **-NC
MP17d	2.81	1.31	.625	.020 MIN		TAPPED HOLES OMITTED *-NC **-NC ***-NC

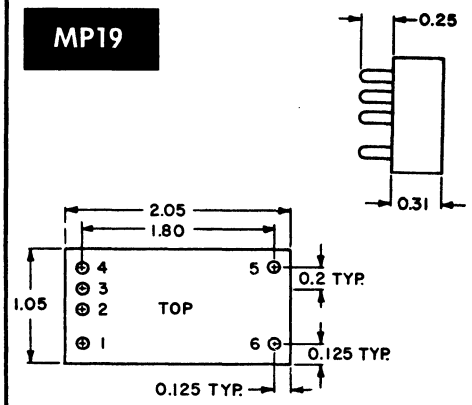
MP18



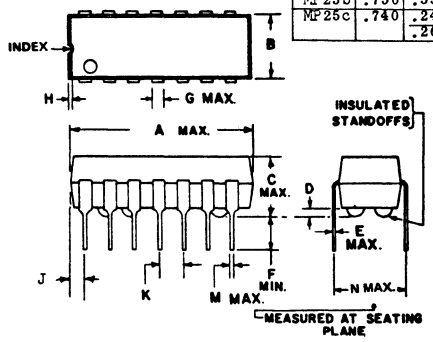
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

MP19

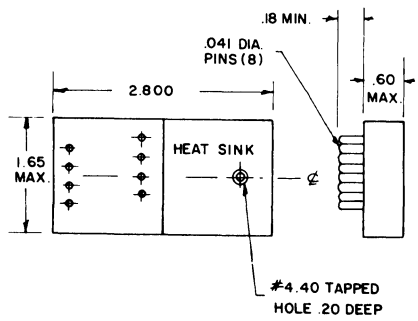


MP25

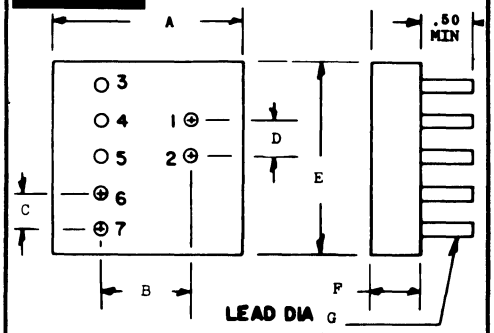


	A	B	C	D	E	F	G	H	J	K	M	N
MP25	.750	.235 .250	.180	.020	.012	.100				.100	.021	.310
MP25a	.750	.240 .280	.200	.030	.015	.150	.070	.025	.062	.100	.023	.310
MP25b	.750	.550	.200	.030	.011	.150	.050		.075	.100	.028	.615
MP25c	.740	.240 .260	.200	.030	.015	.100	.070	.025	.062	.100	.023	.310

MP26

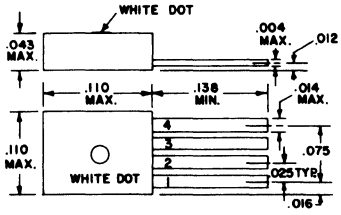


MP31

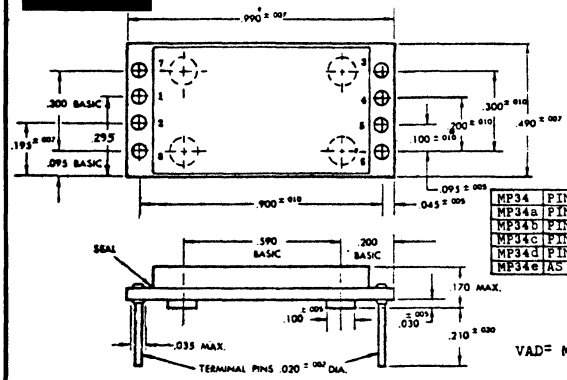


A	B	C	D	E	F	G
.650	.500	.100	.100	.650	.250	.017

MP33



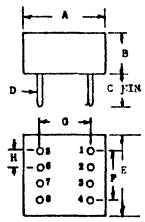
MP34



MP34	PIN 2,4,5,7,8 OMITTED
MP34a	PIN 2,7,8 OMITTED
MP34b	PIN 1,4,5,7,8 OMITTED
MP34c	PIN 1,7,8 OMITTED
MP34d	PIN 2,5,7,8 OMITTED
MP34e	AS SHOWN

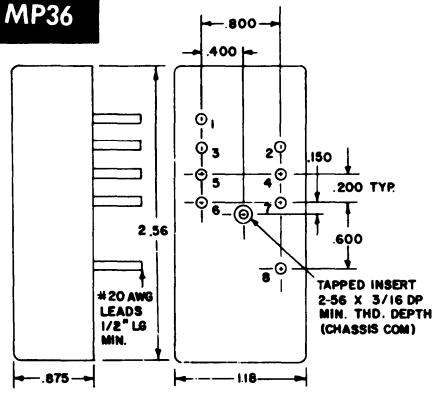
VAD= MP34a

MP35

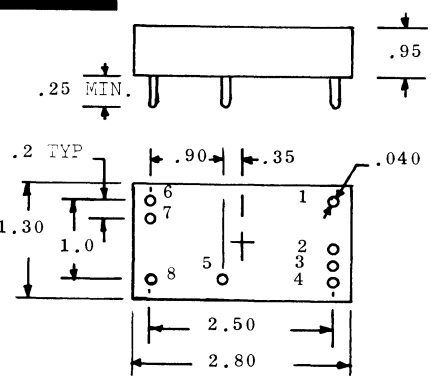


	A	B	C	D	E	F	G	H	REMARKS
MP35	.750	.350	.300	.031	.750				PINS 1 AND 4 OMITTED
MP35a	.500	.400	.250	.019	.500				PINS 2 AND 3 OMITTED
MP35b	1.82	2.37				1.18	1.18	1.37	
MP35c	2.00	.400	.150	.020	1.50				PINS 6 AND 7 OMITTED

MP36

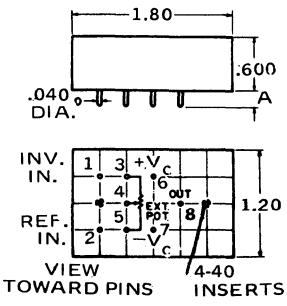


MP37



MP38

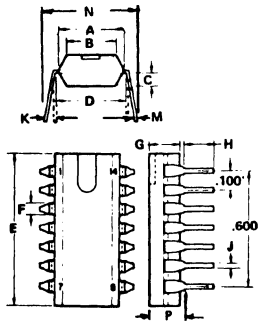
	A	REMARKS
MP38	.180 MIN	
MP38a	.200 .250	OMIT PINS 4 and 5



14. OUTLINE DRAWINGS

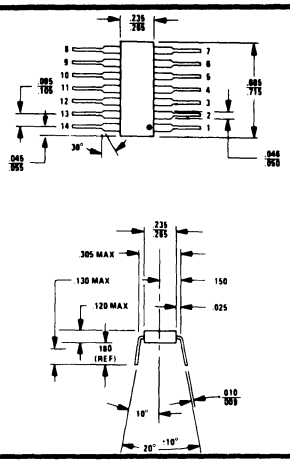
IN DRAWING NUMBER SEQUENCE

MP39

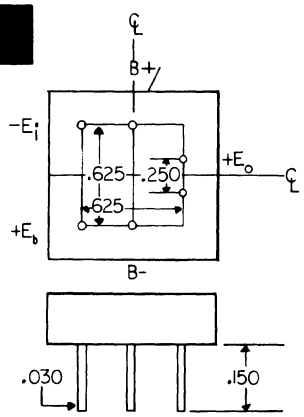


	A	B	C	D	E	F	G	H	J	K	M	N	P
MP39	.250	.210	.055	.300	.750	.060	.130	.135	.018				
MP39a	.280 .240				.750 MAX			.125 MIN	.023 .015	0° 15°	.008 .015	.300 .350	.200 MAX
MP39b	.240 .255			.322	.755	.043 .062	4.32	.102 .150	.015 .020		.007 .011	.290 .375	.200
MP39c	.250	.205 .215		.290 .310	.785 MAX	.045 .065	.180 MAX	.125	.016 .020		.009 .011	.375	.200 MAX
MP39d	.240 .260			.290 .310	.740 .760	.045 .065	.165 MAX	.100 .150	.016 .020		.009 .011	.375	.200 MAX
MP39e	.260 MAX			.310	.760 MAX		.140 MAX	.125 MIN	.015 .021		.008 .012	.350 MAX	.175 MAX
MP39f				.290 .310	.783 MAX			.100	.017	15° MAX	.013 MAX		.200 MAX
MP39g	.260 MAX				.790 MAX		.140 MAX	.125 MIN	.015 .021		.008 .012	.210 .350	.175 MAX
MP39h	.240 .260			.290 .310	.710 .770	.070 MAX	.180	.125 MIN	.015 .021		.008 .014	.300 .350	.200 MAX
MP39j	.220 .280				.785 MAX	.030 .070		.100 MIN	.015 .023	0° 15°	.008 .015		.200 MAX
MP39k	.252 MAX		.058	.300 .310	.740	.060	.156 MAX	.125 MAX	.018	5°	.009 .011	.330 .370	.181
MP39m	.244 .259			.291 .307	.744 .767		.161	.122 .161	.017	20°	.009	.299 .322	.181 MAX

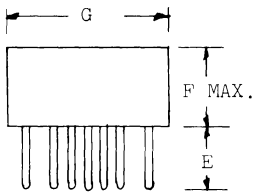
MP40

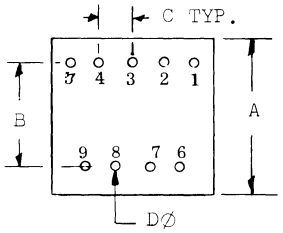


MP41



MP42

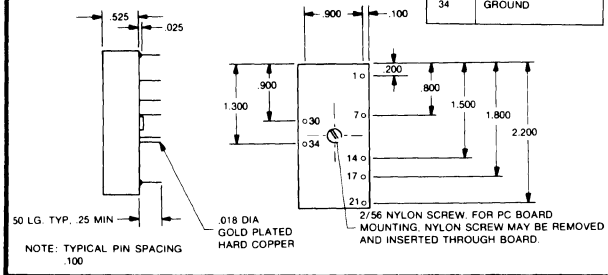




	A	B	C	D	E	F	G	REMARKS
MP42	1.500	.800	.200	.040	.210	.400	1.500	
MP42a	1.125	.800	.200	.040	.210	.500	1.125	PINS 8and9 OMITTED
MP42b	1.500	.800	.200	.040	.210	.400	1.500	PINS 8and9 OMITTED
MP42c	1.500	1.10	.200			.600	1.500	

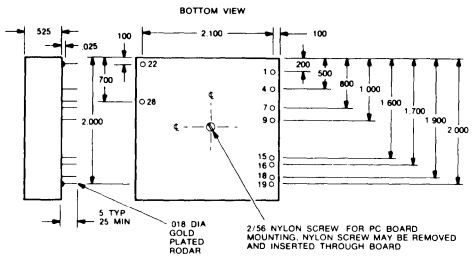
MP43

PIN NO.	FUNCTION
1	+22V SUPPLY
7	+ INPUT
14	– INPUT
17	ALTERNATE OUTPUT
21	– 22V SUPPLY
30	AMPLIFIER OUTPUT
34	GROUND

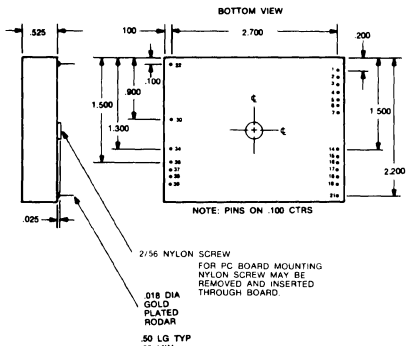


MP44

PIN NO.	FUNCTION
1	+ 22V SUPPLY
4	MINUS (–) INPUT
7	PLUS (+) INPUT
9	22V SUPPLY
15	ANALOG GROUND NO. 1
16	INPUT NO. 1
18	ANALOG GROUND NO 2
19	INPUT NO. 2
22	GROUND
28	OUTPUT



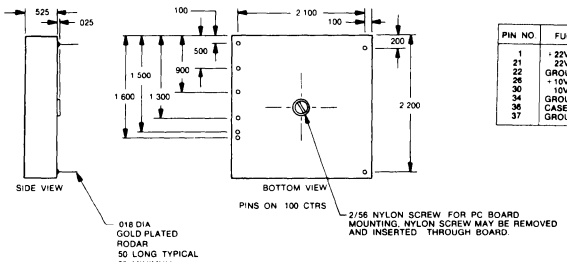
MP45



PIN NO.	FUNCTION
1	+22V
2	+ INPUT
3	SHIELD INPUT
4	– INPUT
5	CM FILTER
6	GUARD DRIVE
7	GAIN SELECT
14	GAIN 50
15	" 100
16	" 200
17	" 500
18	GAIN 1000
19	VAR GAIN
21	–22V
22	SUPPLY GROUND
30	OUTPUT
34	OUTPUT GROUND
36	CASE SHIELD
37	SIGNAL COMMON

NOTE: Pins 22, 34, 36, and 37 are connected internally

MP46

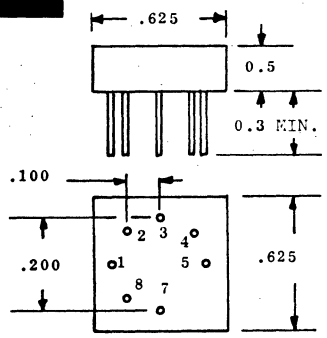


PIN NO.	FUNCTION
1	+ 22V SUPPLY
21	– 22V SUPPLY
22	GROUND
26	+ 10V OUTPUT
30	10V OUTPUT
34	GROUND
36	CASE SHIELD
37	GROUND

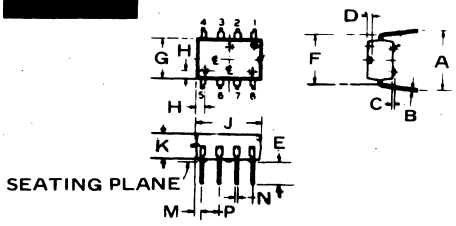
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

MP47

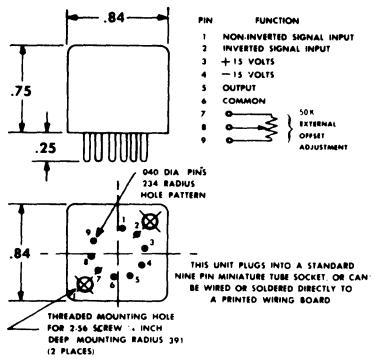


MP48

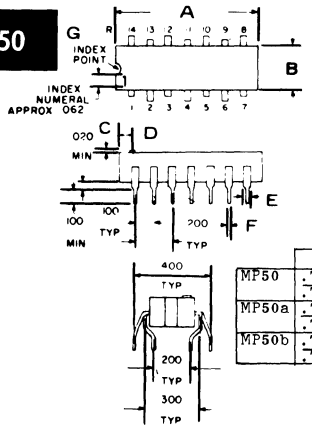


	A	B	C	D	E	F	G	H	J	K	M	N	P
MP48	.325	.009	.020	.035	.070	.290	.236	.050	.363	.130	.039	.018	.100
	.375	.015		MIN	.140	.310	.256		.393	.150			
MP48b	.325	.009	.020	.035	.120	.290	.236	.050	.363	.130	.039	.018	.100
	.375	.015		MIN	.140	.310	.256		.393	.150			

MP49

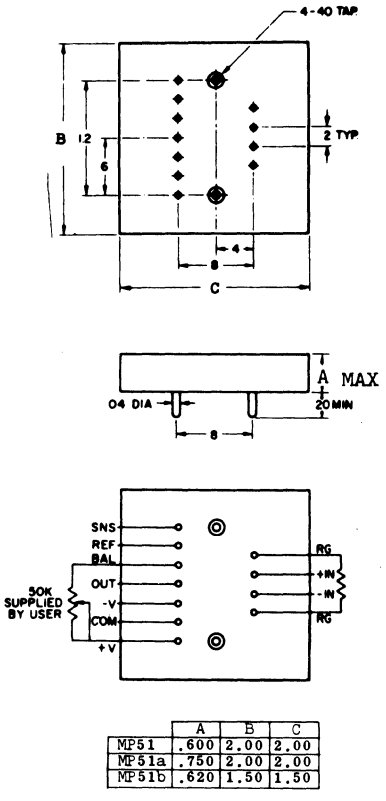


MP50



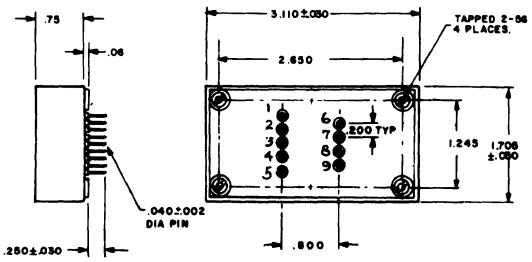
	A	B	C	D	E	F	G	H	REMARKS
MP50	.750	.240	.005	.070	.040	.015	.020	.062	
	.770	.260	MAX	.090	.060	.023	.030		
MP50a	.745	.260	NA	NA	.050	.022		N.A.	NO INDEX NUMERAL
	.785	.280			.070	.028			
MP50b	.750	.240	NA	NA	.040	.015	.020	N.A.	
	.770	.280			.060	.023	.030		

MP51



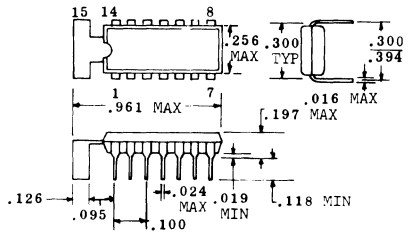
	A	B	C
MP51	.600	2.00	2.00
MP51a	.750	2.00	2.00
MP51b	.620	1.50	1.50

MP53

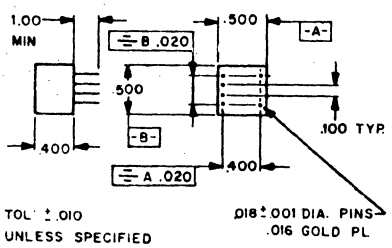


MP53a	OMIT PINS 6 & 9

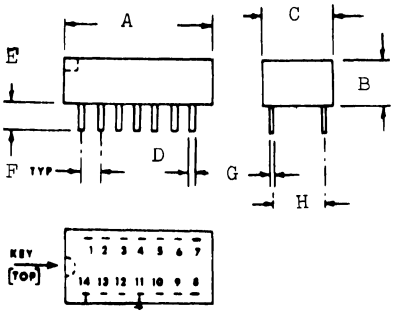
MP55



MP57

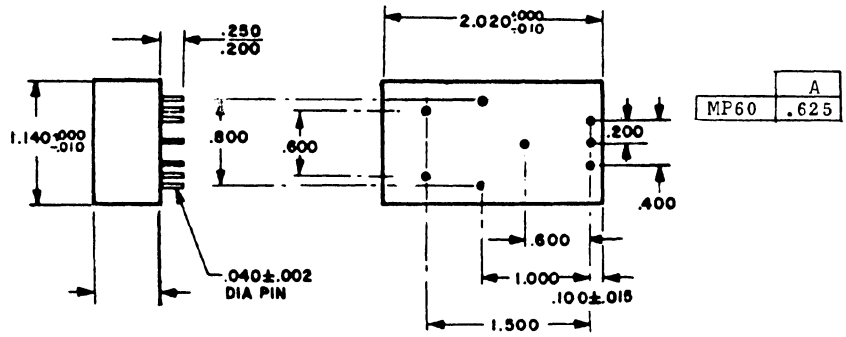


MP58



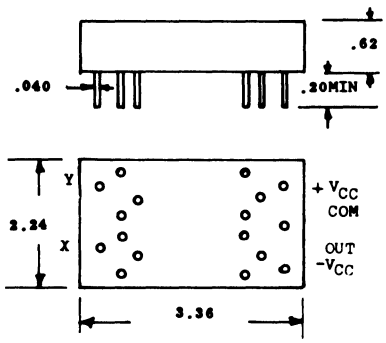
	A	B	C	D	E	F	G	H	REMARKS
MP58	.800 MAX	.270 MAX	.360 MAX	.021 .015	.150 .100	.100	.011 .009	.300	
MP58a	.760 MAX	.250 MAX	.460 MAX	.020	.150				
MP58b	.760 MAX	.250 MAX	.460 MAX	.020	.180 MIN				
MP58c	.800	.380	.480	.025	.120 MIN	.100		.300	OMIT PINS 1,2,4,7,8, 12,13,14
MP58d	.785 MAX	.185 M..X	.450 MAX	.016 .020	.187 MIN	.100		.300	DOT ON PIN 1, NO KEY
MP58e	.800 MAX	.220	.360	.023	.145 MIN		.011	.300	
MP48f	.800 MAX	.200	.500 MAX		.150	.100		.300	NO KEY
MP58g	.760 MAX	.250 MAX	.460 MAX	.020	.180 MIN			.300	OMIT PINS 1,2,3,7,8, 9,13,14

MP60

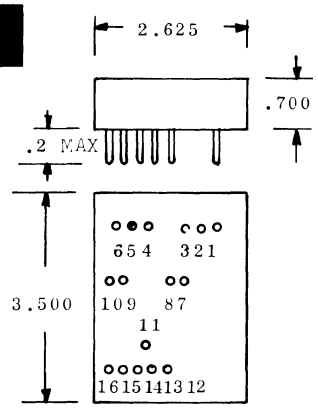


	A
MP60	.625

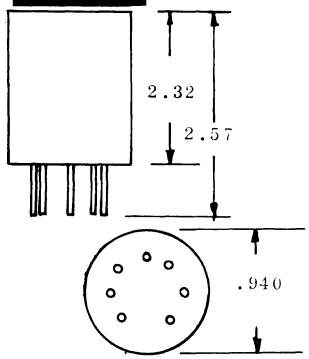
MP61



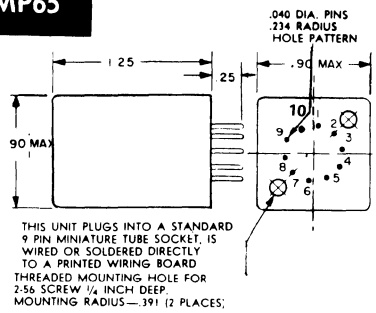
MP62



MP63

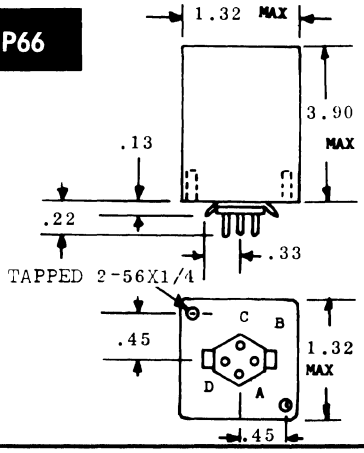


MP65

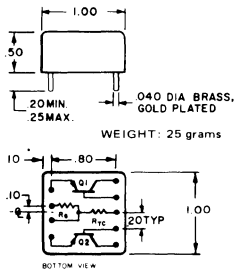


	REMARKS
MP65	OMIT PIN 10
MP65a	OMIT PIN 9

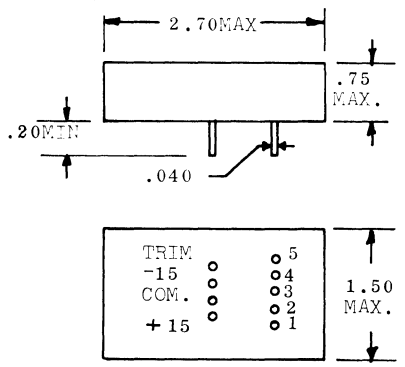
MP66



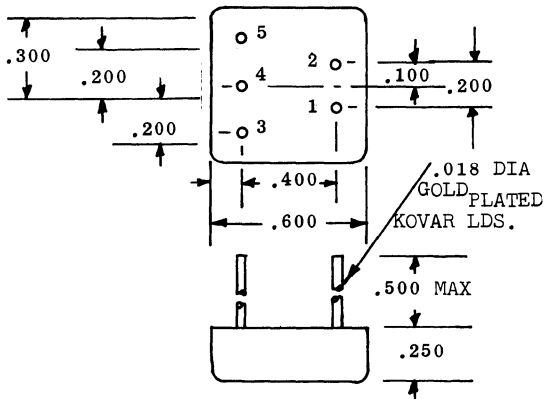
MP67



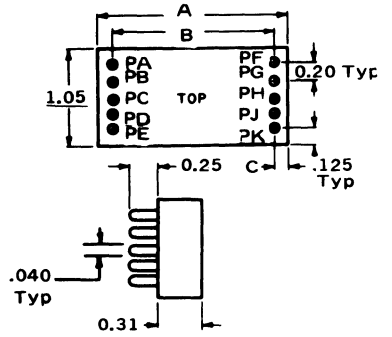
MP68



MP72

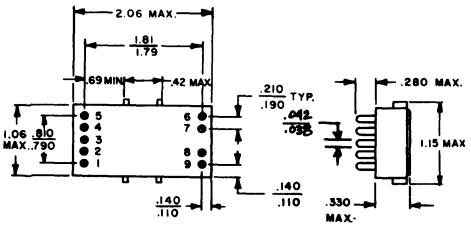


MP73

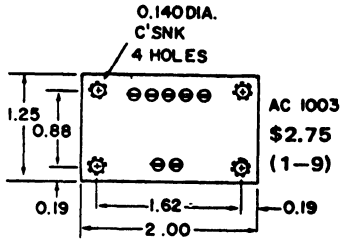


	A	B	C	PA	PB	PC	PD	PE	PF	PG	PH	PJ	PK
MP73	2.05	1.85	.100	5	4	3	2	1	6	7	8	9	10
MP73a	1.55	1.30	.125	7	6				1	2	3	4	5

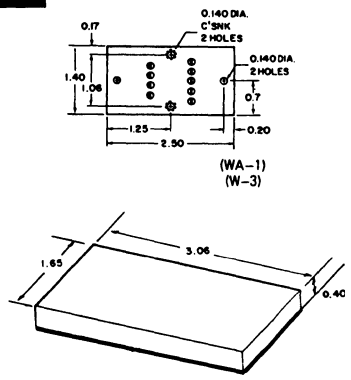
MP74



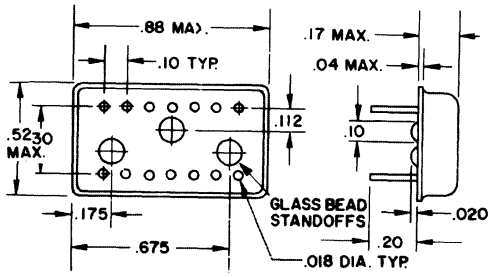
MP75



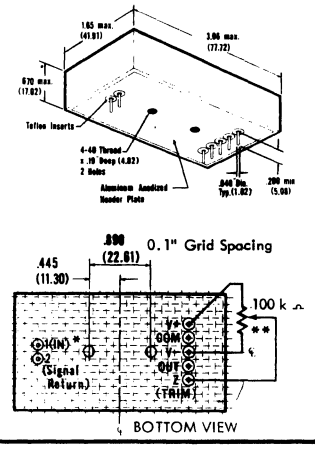
MP77



MP78



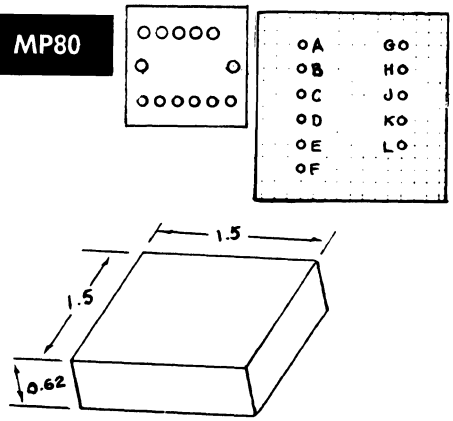
MP79



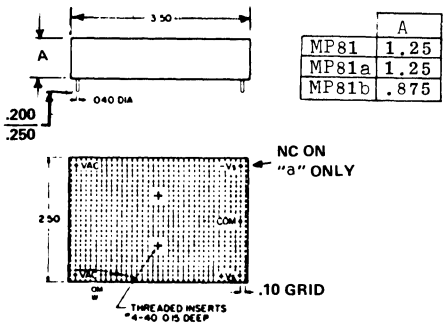
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

MP80

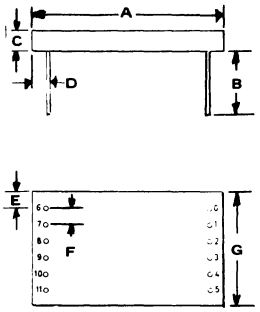


MP81



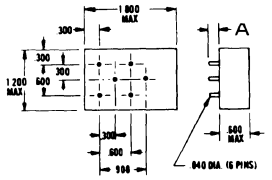
	A
MP81	1.25
MP81a	1.25
MP81b	.875

MP82



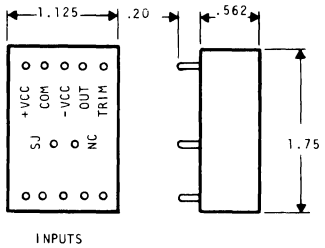
	A	B	C	D	E	F	G
MP82	1.60	1.00	.190	.152	.157	.095 .105	.815
MP82a	2.62	.250 MIN	.625		.312	.500	3.12

MP83

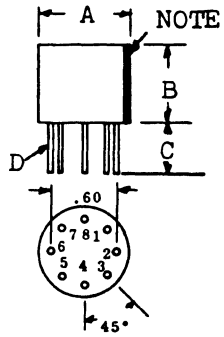


	A
MP83	.160
MP83a	.200 MIN

MP84

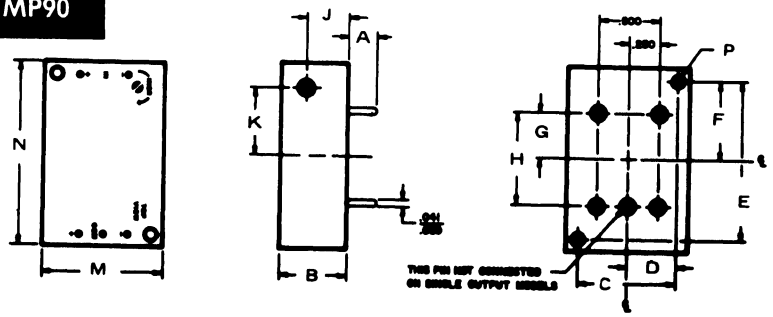


MP86



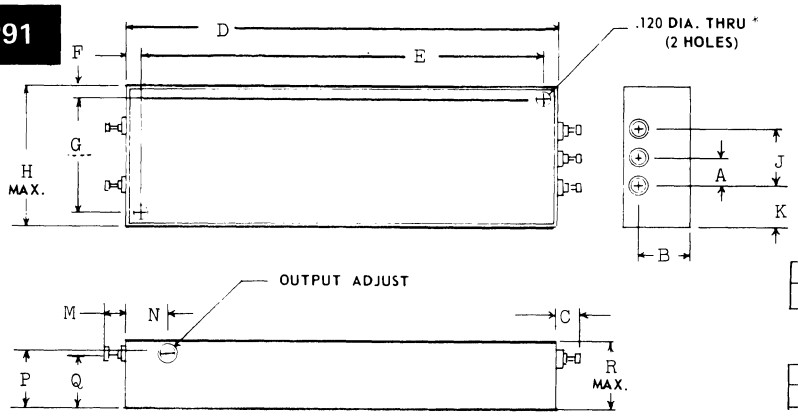
	A	B	C	D	NOTE
MP86	.700	.600			SQUARE
MP86a	.750	.437	.500	.031	CHAMFERED

MP90



	A	B	C	D	E	F	G	H	J	K	M	N	P	REMARKS
MP90	.230	.550	.800	.400	1.30	.650	.375	.750	.340	.550	1.00	1.50	.093	
MP90a	.175	.500												HOLES OMITTED
MP90b	.200	.600	.630	.630	1.08	1.08	.475	.975	.350		1.50	2.42	.120	

MP91



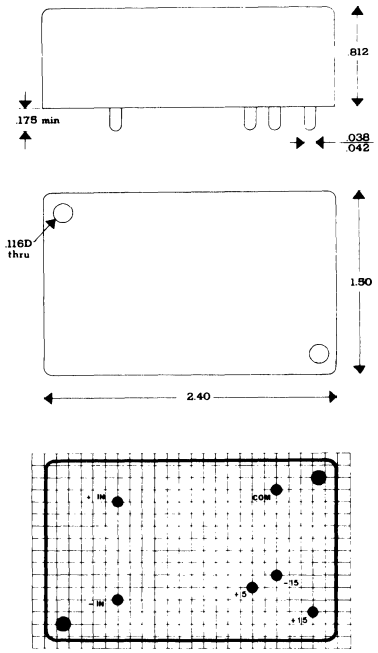
	A	B	C	D	E	F	G	H
MP91		.480	.200	3.81	3.56	.120	1.00	1.25
MP91b	.250	.480		3.81	3.56	.120	1.00	1.25

	J	K	M	N	P	Q	R
MP91	.500	.380	.170	.380	.500	.480	.620
MP91b	.500	.380	.170	.380	.500	.480	

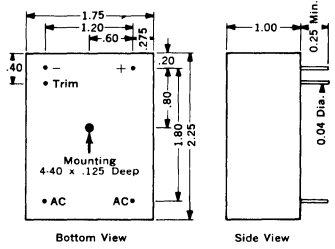
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

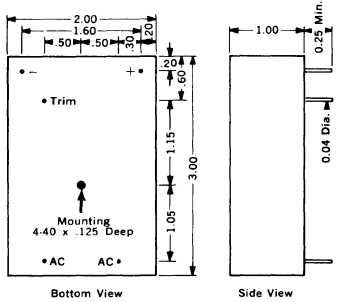
MP92



MP93

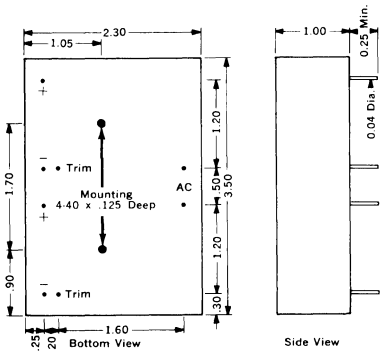


MP94

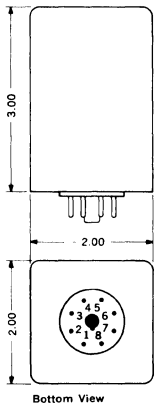


MP94a - TRIM PIN OMITTED.

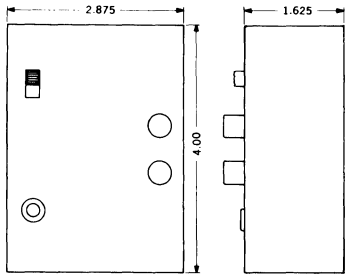
MP95



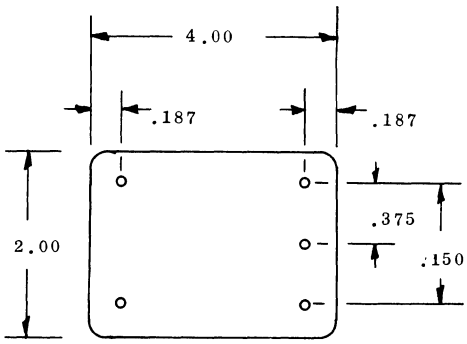
MP96



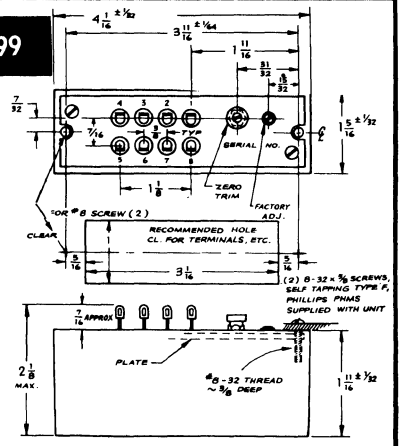
MP97



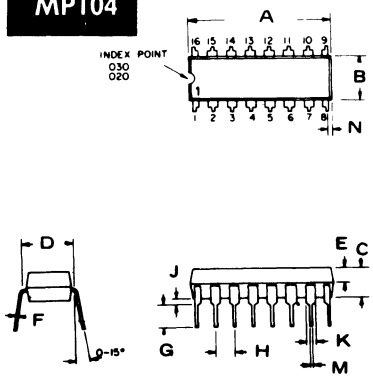
MP98



MP99



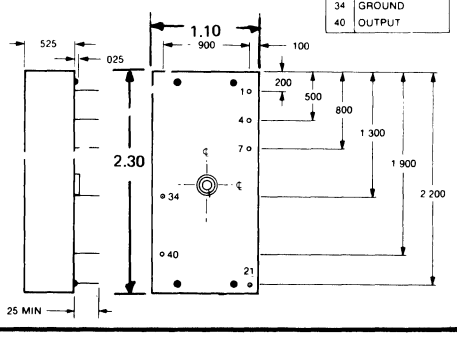
MP104



	A	B	C	D	E	F	G	H	J	K	M	N
MP104	.750	.240	.150	.290	.065	.008	.100	.100	.020	.040	.015	.022
	.770	.260	.170	.310	.085	.012	MIN	TYP	MIN	.060	.023	.038
MP104a	.740	.240	.135	.290		.008	.115	.090		.057	.015	.015
	.780	.270	.165	.325		.012	.135	.110		.063	.020	.035
MP104b	.740	.240	.115	.290		.008	.120	.090	.015	.028	.015	
	.770	.280	.125	.310		.015	MIN	.110	MIN	.036	.023	

MP105

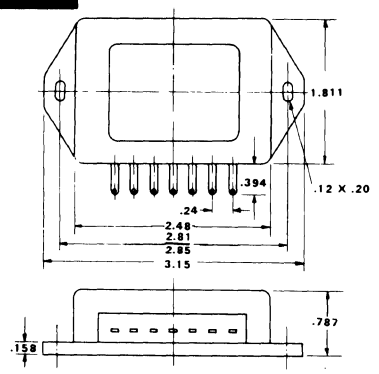
PIN NO	FUNCTION
1	+22.0 V SUPPLY
4	+ INPUT (A)
7	- INPUT (B)
21	- 22.0 V SUPPLY
34	GROUND
40	OUTPUT



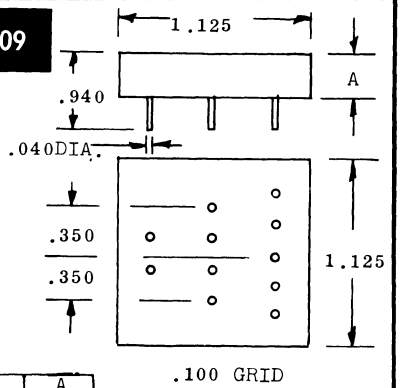
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

MP107

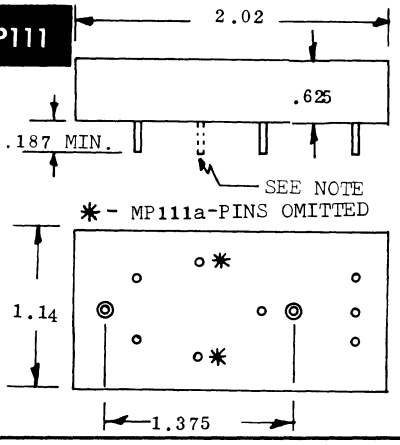


MP109

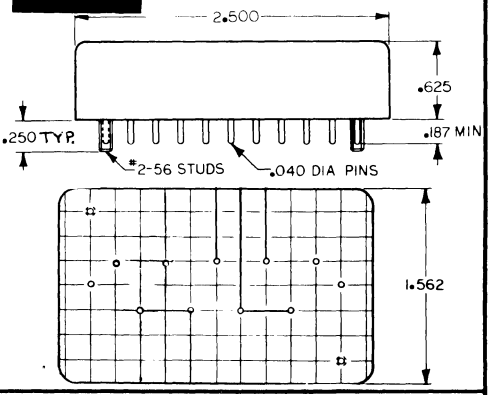


	A
MP109	.500
MP109a	.375

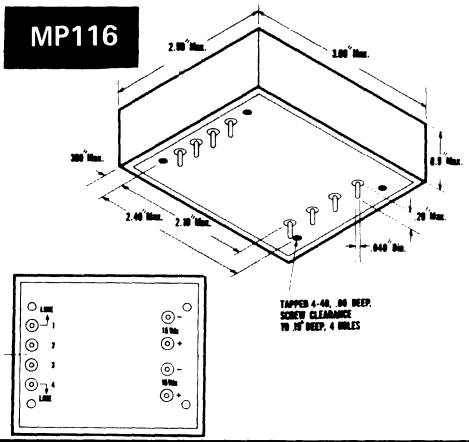
MP111



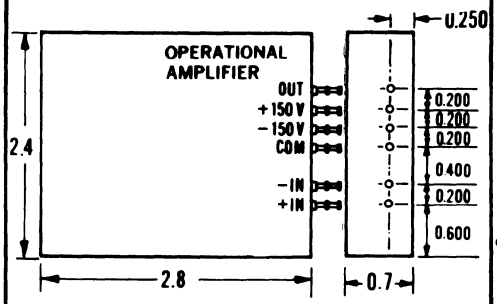
MP112



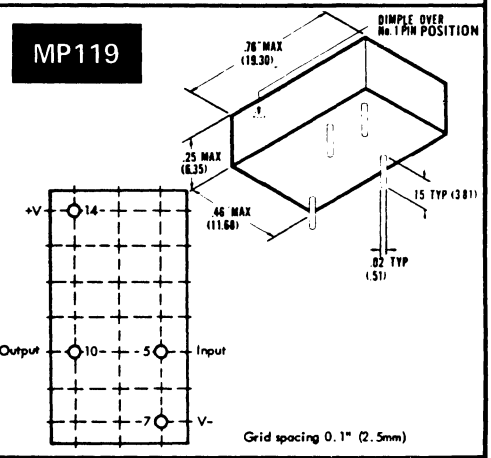
MP116



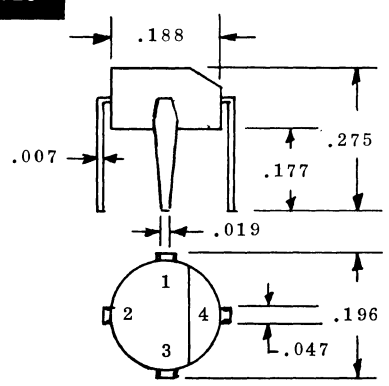
MP117



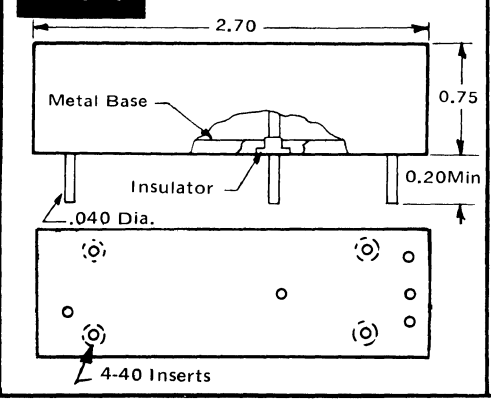
MP119



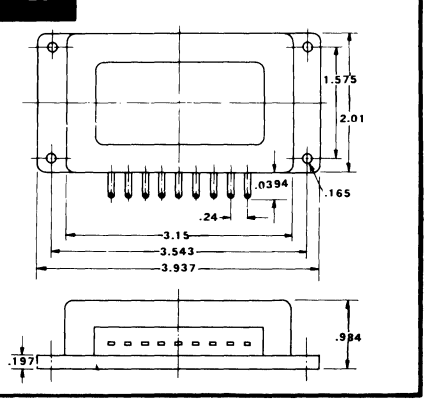
MP120



MP124



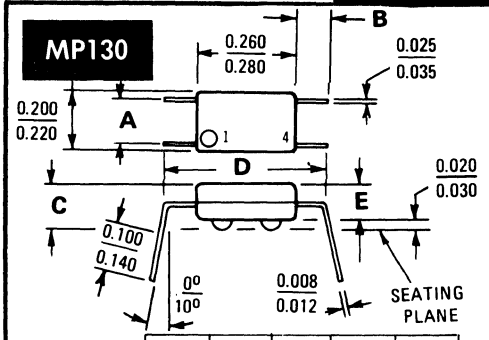
MP129



14. OUTLINE DRAWINGS

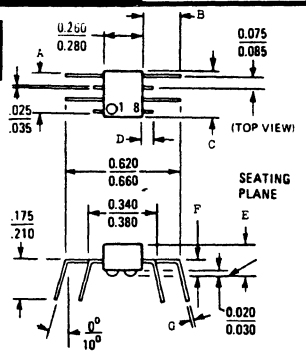
IN DRAWING NUMBER SEQUENCE

MP130



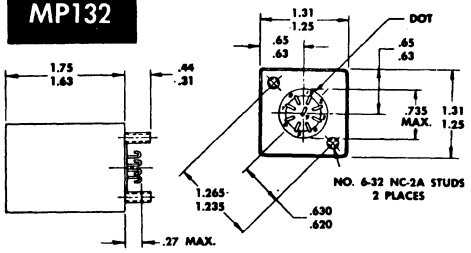
	A	B	C	D	E
MP130	.150 .165	.035 .060	.135 .160	.340 .380	.110 .135
MP130a	.145 .155	.040 .060	.135 .155	.350 .390	.110 .130

MP131



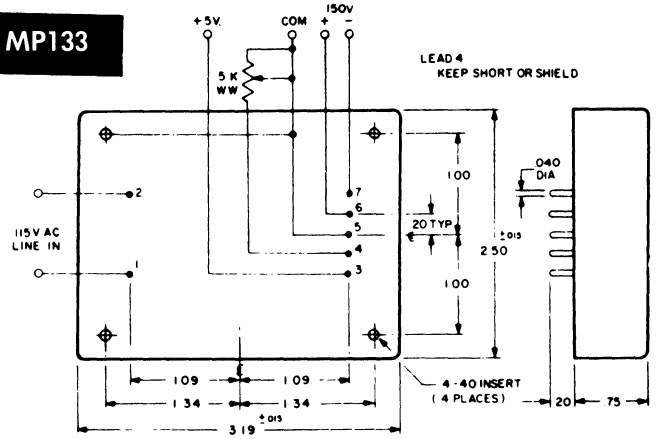
	A	B	C	D	E	F	G
MP131	.260 .280	.175 .195	.320 .340	.035 .055	.140 .150	.070 .080	.008 .016
MP131a	.290 .310	.165 .195	.290 .310	.020 .050	.135 .160	.075 .095	.008 .012

MP132

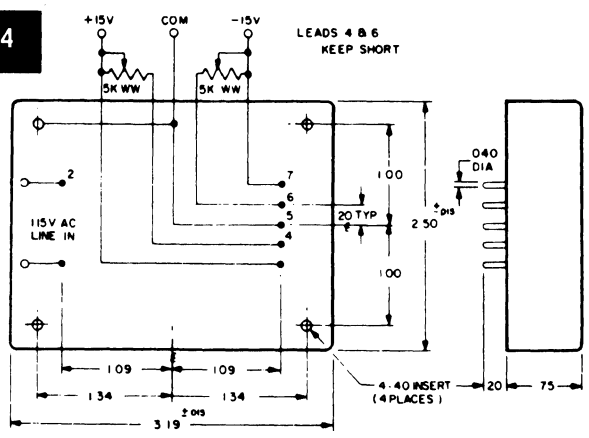


1. DC INPUT SIGNAL
2. 10 VOLTS
3. NO CONNECTION
4. COMMON
5. PULSE OUTPUT FREQUENCY
6. 10 VOLTS
7. RAMP OUTPUT FREQUENCY
8. NO CONNECTION
9. NO CONNECTION

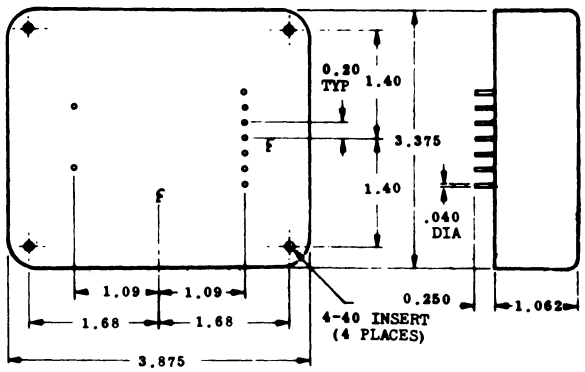
MP133



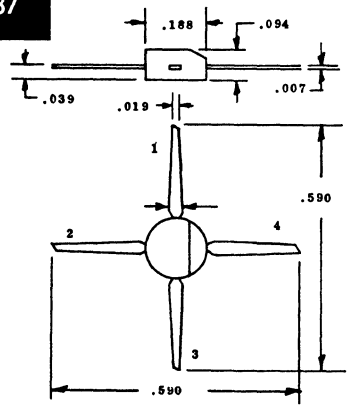
MP134



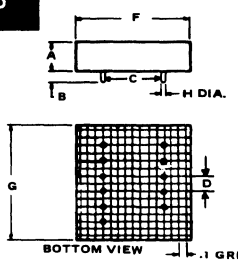
MP135



MP137

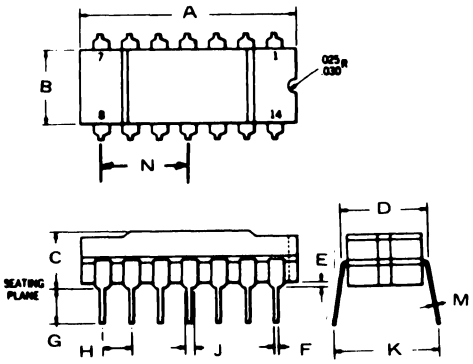


MP138



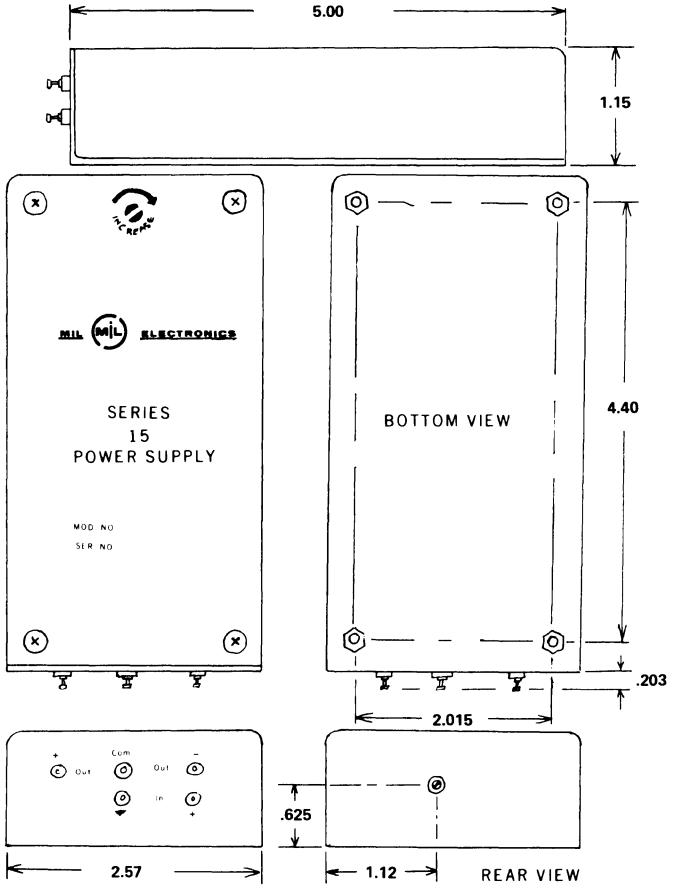
	A	B	C	D	F	G	H
MP138	.620	.200 .250			1.50	1.50	.040
MP138a	.400	.200 MIN	.800	.200	1.50	1.50	.040

MP139

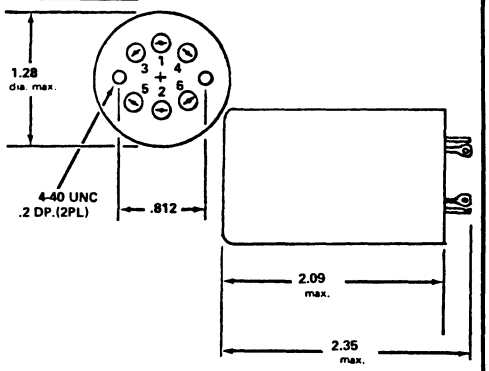


	A	B	C	D	E	F	G	H	J	K	M	N
MP139	.750	.240	.200	.290	.015	.016	.100	.090	.027	.375	.009	
	.785	.280	MAX	.310	MIN	.020	.160	.110	.037	TYP	.011	
MP139a	.660	.220	.200	.325		.015	.100		.030	.290	.008	.290
	.780	.280	MAX	MAX		.023	MIN		.070	.310	.015	.310

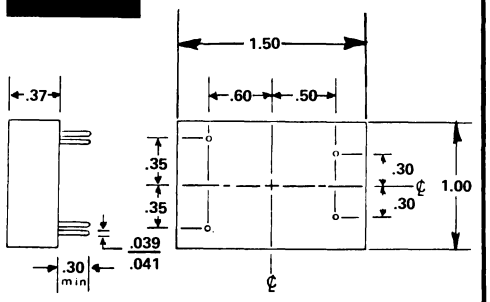
MP140



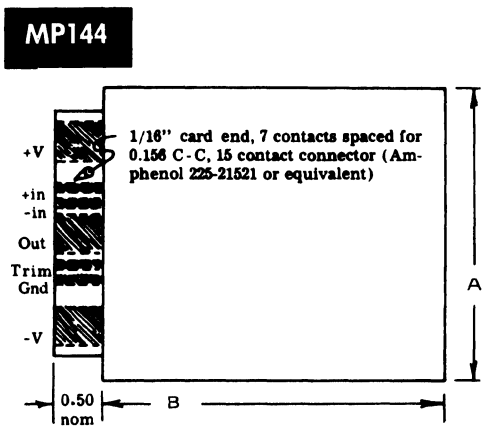
MP141

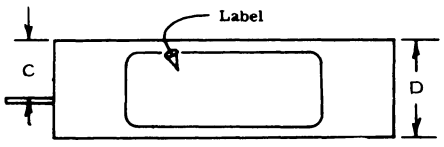


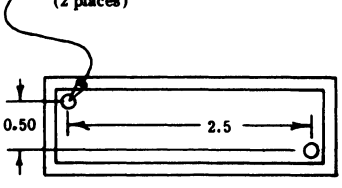
MP142



MP144

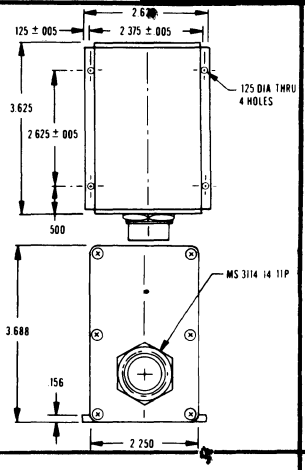




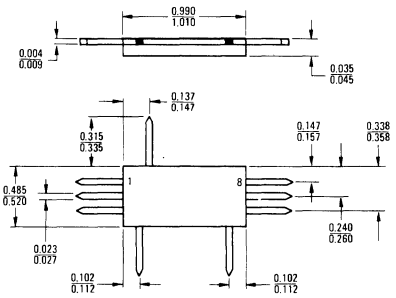


	A	B	C	D
MP144	3.00	3.50	.600	1.00
MP144a	3.06	2.00		1.06

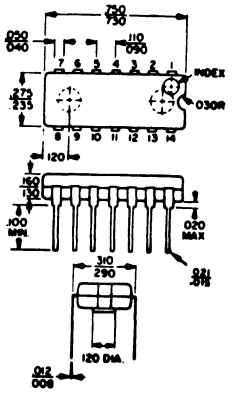
MP145



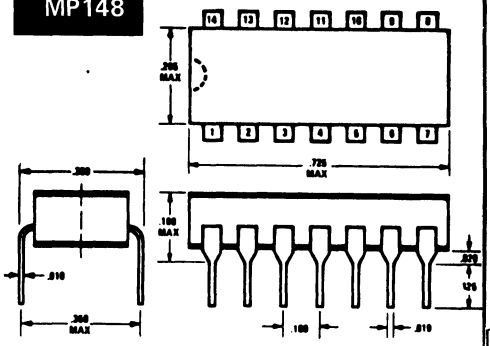
MP146



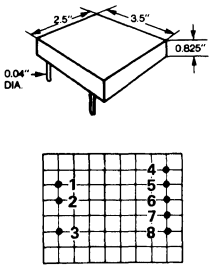
MP147



MP148

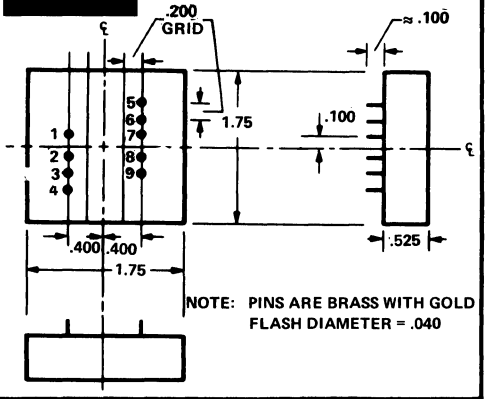


MP149



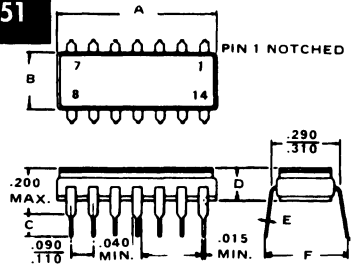
	A	B	C	D	REMARKS
MP149	2.5	3.5	.825	.040	PIN 5 OMITTED
MP149a	2.5	3.5	.825	.040	

MP150



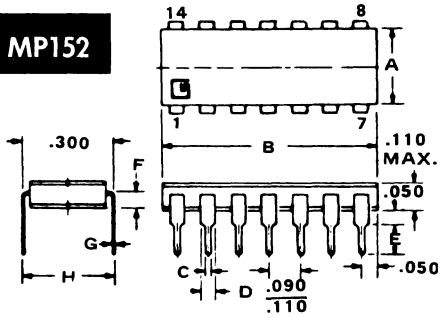
NOTE: PINS ARE BRASS WITH GOLD FLASH DIAMETER = .040

MP151



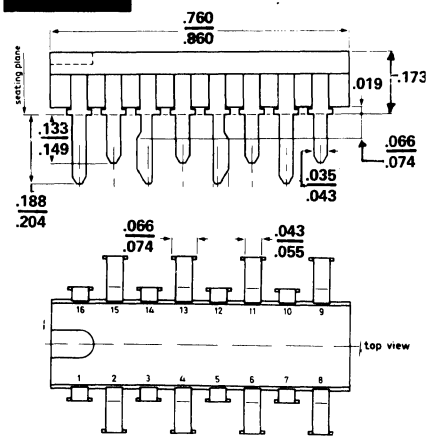
	A	B	C	D	E	F
MP151	.685 .715	.245 .275	.100 MIN	.145 MAX	.009 .011	.375 MAX
MP151a	.785 MAX	.280 MAX	.125			.375 MAX
MP151b	.715	.270 MAX	.125 MIN		.008 .015	.300 .350

MP152

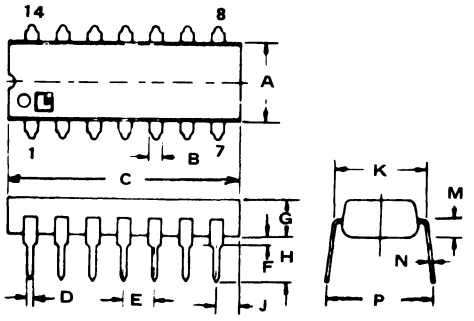


	A	B	C	D	E	F	G	H
MP152	.235 .265	.685 .715	.015 .020	.055 MAX	.125	.055	.006 .012	.290 .310
MP152a	.250 .265	.695 .730	.014 .020	.035 .050	.120 MIN		.008 .010	.325 .375

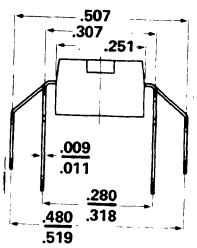
MP154



MP153



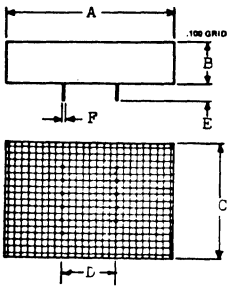
	A	B	C	D	E	F	G	H	J	K	M	N	P
MP153	.245 .250	.044 .052	.745 .755	.015 .021	.090 .110	.015 .035	.115 .125	.135 .165	.065 .085	.290 .310	.060	.010 .015	.325 .375
MP153a	.240 .280	.040 .050	.740 .770	.015 .023	.090 .110	.015 MIN	.160 MAX	.135 MIN		.290 .310	.120 MIN	.008 .015	.325 .375



14. OUTLINE DRAWINGS

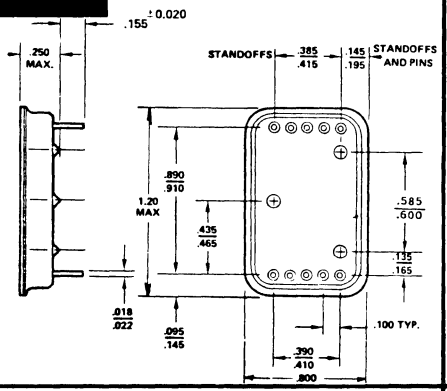
IN DRAWING NUMBER SEQUENCE

MP155

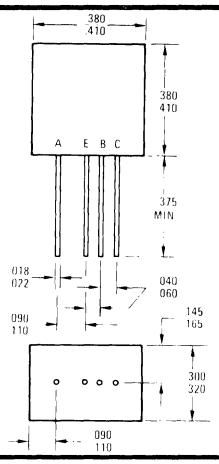


	A	B	C	D	E	F
MP155	2.50	.600	1.75		.200 ±.250	.038 ±.042
MP155a	3.07	.650	1.66	.800	.200	.040 ±.042

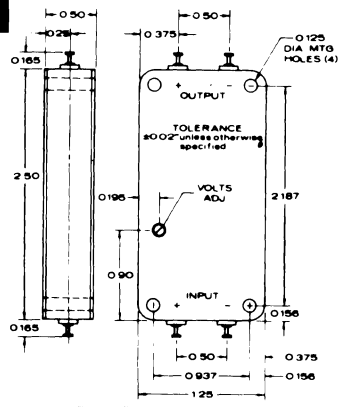
MP156



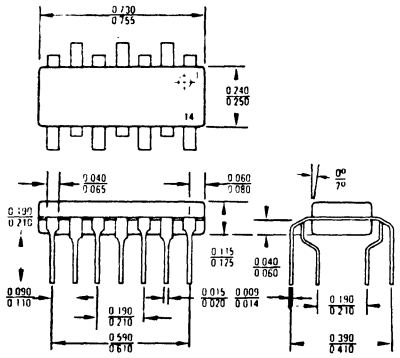
MP157



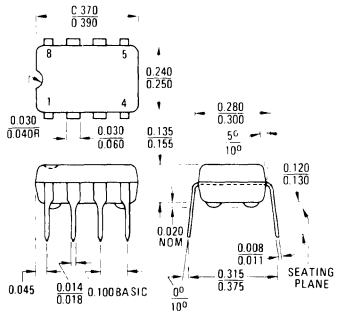
MP158



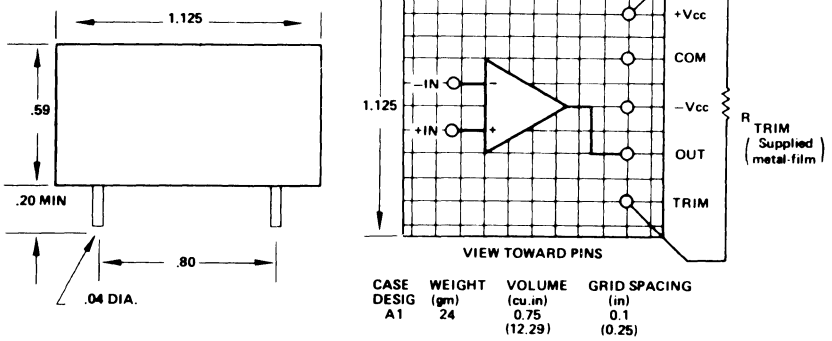
MP160



MP161

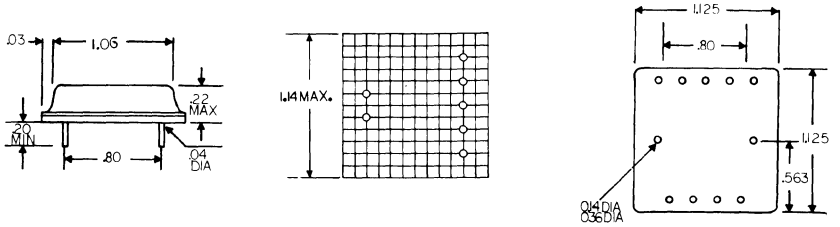


MP162

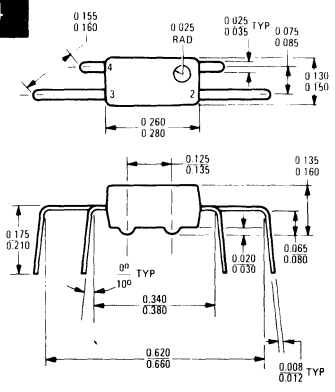


CASE DESIG	WEIGHT (gm)	VOLUME (cu.in)	GRID SPACING (in)
A1	24	0.75 (12.29)	0.1 (0.25)

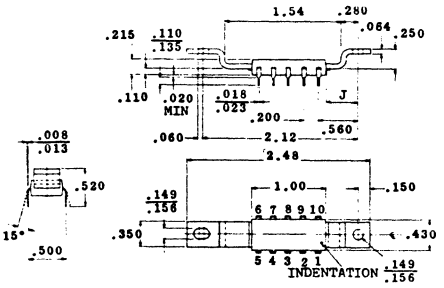
MP163



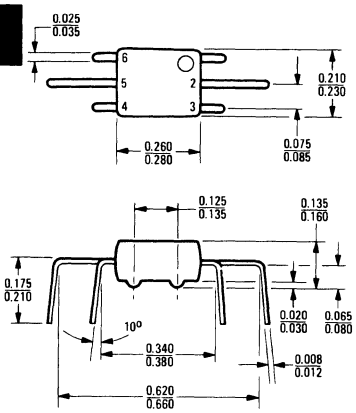
MP164



MP165

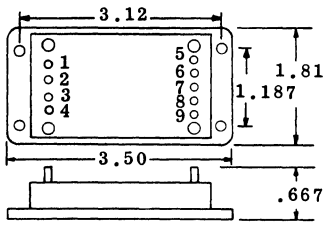


MP166

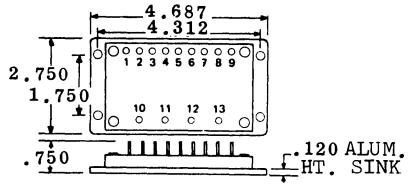


MP167

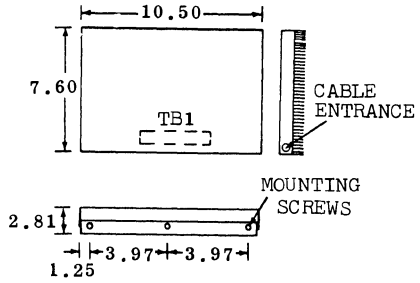
	A	PINS
MP167		OMIT PINS 1,4
MP167a	.040	



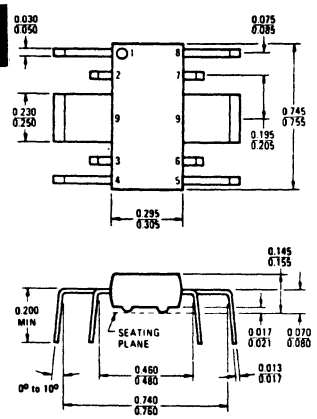
MP168



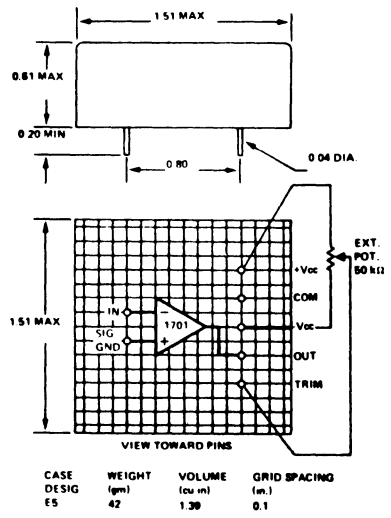
MP169



MP170

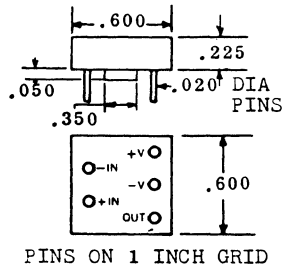


MP172



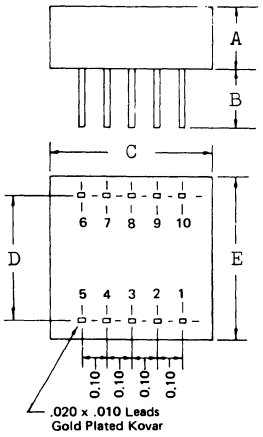
CASE DESIG	WEIGHT (gm)	VOLUME (cu in)	GRID SPACING (in.)
E5	42	1.39	0.1

MP173



PINS ON 1 INCH GRID

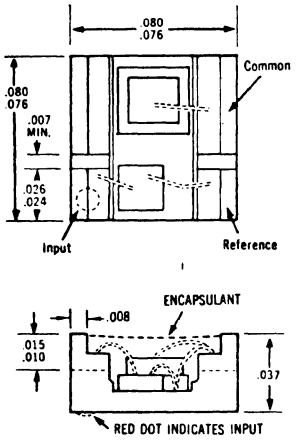
MP174



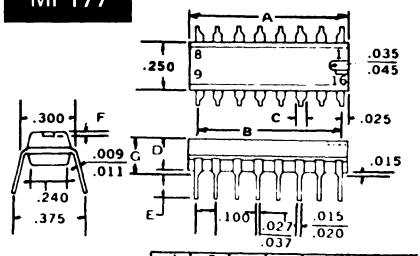
	A	B	C	D	E
MP174	.250		.650	.500	.650
MP174a	.245	.500 MIN	.600	.400	.600
MP174b	.650	.500	2.02		1.14

	PINS OMITTED
MP174	
MP174a	5,6,9,10
MP174b	1,3,5

MP175

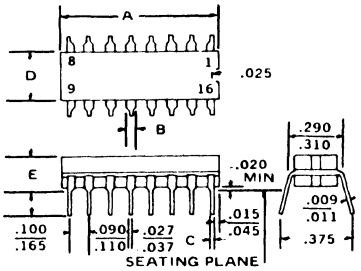


MP177



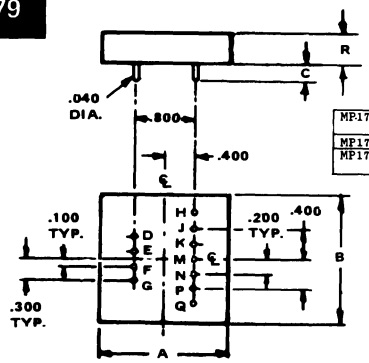
	A	B	C	D	E	F	G
MP177	.750	.700	.045 .055	.130	.135	.030	
MP177a	.745 .760		.045 .065		.100 .150	.010 .020	.190 MAX
MP177b	.770	.700	.050		.110		.185 MAX

MP178



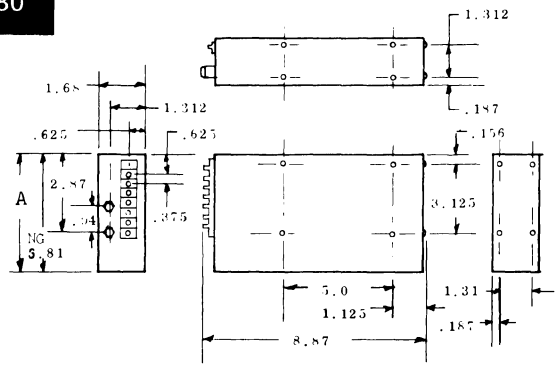
	A	B	C	D	E
MP178	.725 .735	.045 .055	.010 .016	.265 .291	.170 .219
MP178a	.755 .785	.045 .065	.016 .020	.265 .291	.170 .219
MP178b	.750 .785	.045 .065	.016 .020	.245 .271	.200 MAX
MP178c	.745 .785	.030 .034	.016 .020	.243 .263	.145 .188

MP179



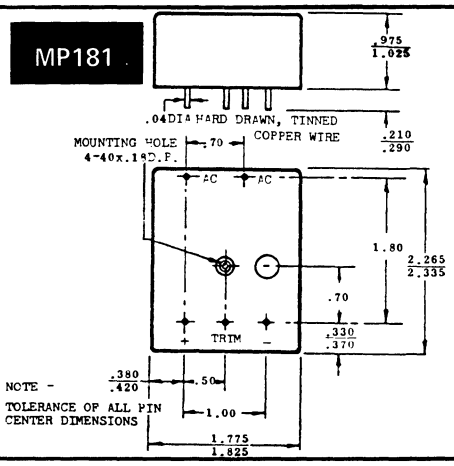
	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R
MP179	1.50	1.50	.200 MIN	11	9	8	10	1	2	3	4	5	6	7	.400
MP179a	1.75	1.75	.250	OS	IN	G	S	NA	15	COM	-15	OUT	SP	NA	.400
MP179b	1.50	1.50	2.00 MIN	8	9	10	11	1	2	3	4	5	6	7	.500 MAX

MP180



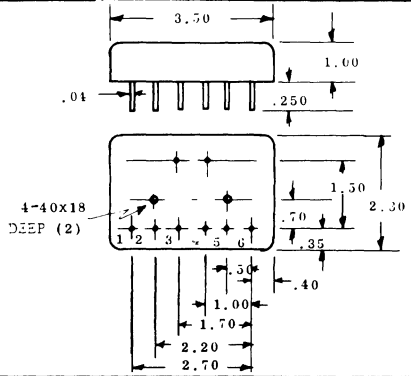
	A
MP180	4.687
MP180a	3.812

MP181

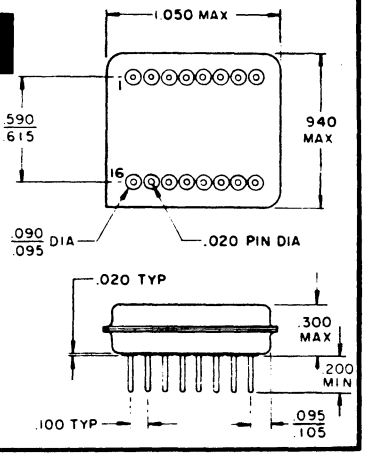


MP182

	1	2	3	4	5	6
MP182	+	trim	-	+	trim	-
MP182a	+	trim	-	NA	NA	NA



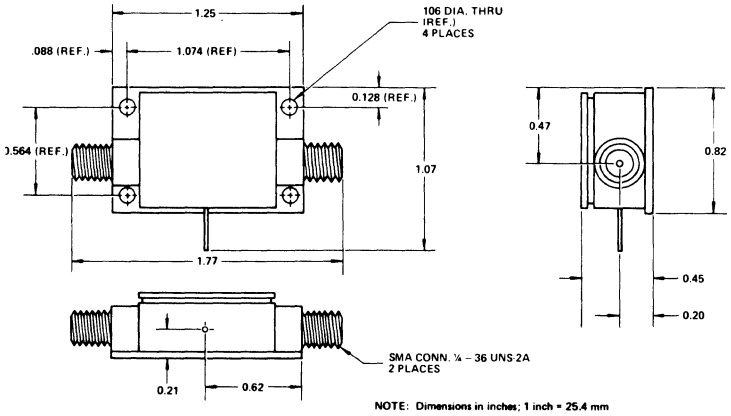
MP184



14. OUTLINE DRAWINGS

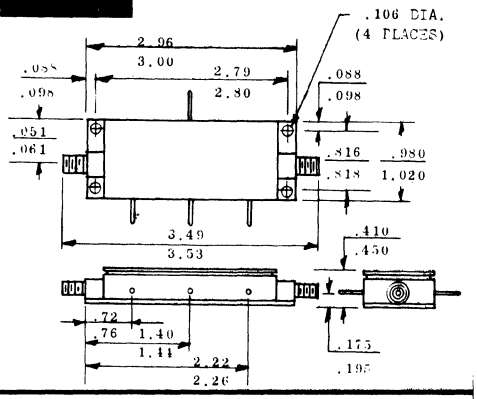
IN DRAWING NUMBER SEQUENCE

MP185

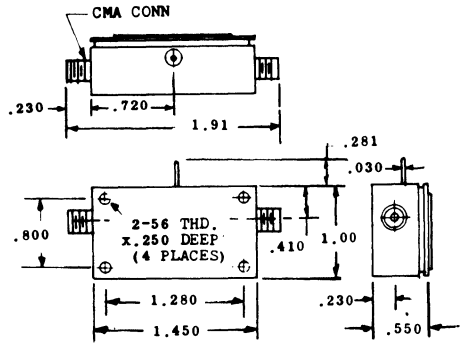


NOTE: Dimensions in inches; 1 inch = 25.4 mm

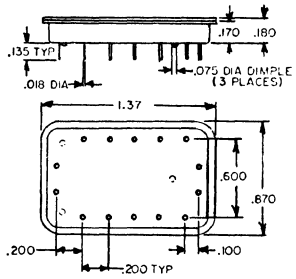
MP186



MP187

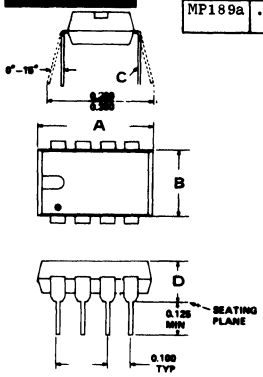


MP188

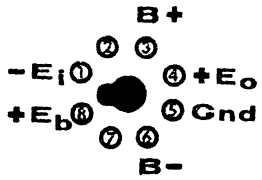


MP189

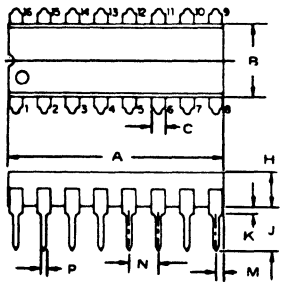
	A	B	C	D
MP189	.370 .390	.248 .252	.009 .011	.148 .152
MP189a	.450 MAX	.240 .280	.008 .015	.200 MAX

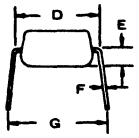


MP190



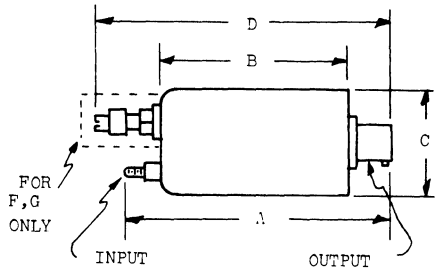
MP192





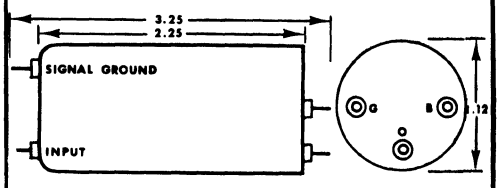
	A	B	C	D	E	F	G	H	J	K	M	N	P
MP192	.745 .755	.245 .250	.044 .052	.290 .310	.060	.010 .015	.325 .375	.115 .125	.135 .165	.015 .035	.015 .035	.090 .110	.015 .021
MP192a	.744 .860	.241 .251	.044 .055	.324 MAX		.008 .014	.290 .375	.170	.125 .150	.014 MIN		.100	.014 .024
MP192b	.745 .755	.245 .252	.044 .052	.290 .310	.057 .068	.010 .015	.325 .375	.115 .125	.135 .165	.015 .035	.065 .085	.090 .110	.015 .021

MP193



	A	B	C	D	PIN NOS
MP193	3.32 MAX	2.25	1.12		6
MP193a	3.32 MAX	2.25	1.12		4
MP193b	3.75 MAX	3.00	1.12		6
MP193c	3.75 MAX	3.00	1.12		4
MP193d	4.31 MAX	3.59	1.75		6
MP193e	4.00	2.25	1.12		6

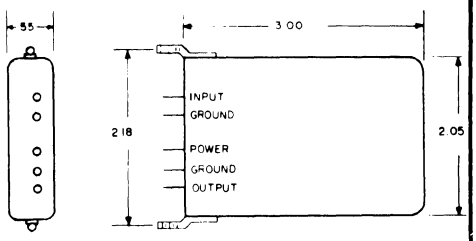
MP194



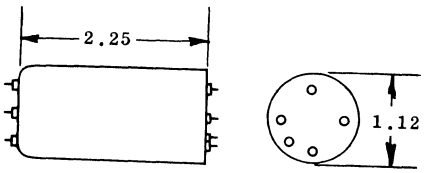
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

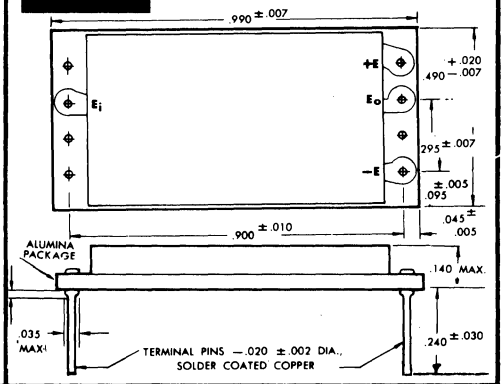
MP195



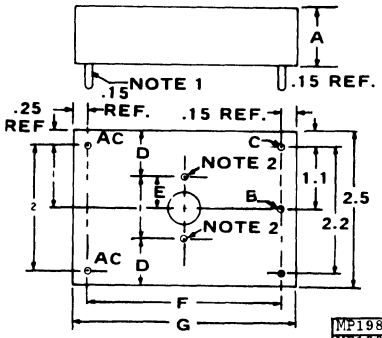
MP196



MP197



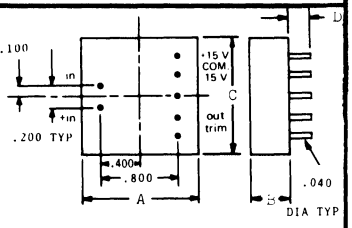
MP198



NOTES
1. PINS .040 IDA. x.21g MIN.
2. TWO MOUNTING INSERTS
   * 4-40 x .10 dp MIN.

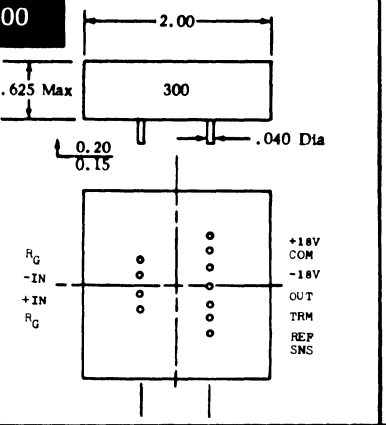
	A	B	C	D	E	F	G
MP198	.875	COM	-VDC	.750	.500	3.2	3.5
MP198a	1.25	N.C	-VDC	.750	.500	3.2	3.5
MP198b	.875	N.C	-VDC	.750	.500	3.2	3.5
MP198c	1.25	COM	-VDC	.750	.500	3.2	3.5
MP198d	1.25	COM	-VDC	.250	.100		2.25
MP198e	1.25	N.C	COM	.250	.100		2.25

MP199

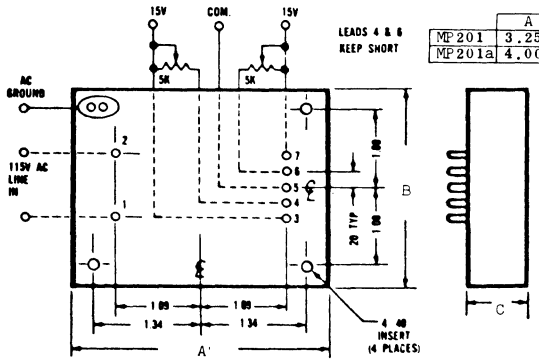


	A	B	C	D
MP199	1.50	.500	1.50	.200 TYP
MP199a	1.12	.500	1.12	.200 TYP
MP199b	1.50	.400	1.50	.200 TYP
MP199c	2.70 MAX	.550 MAX	1.50 MAX	.250 MIN
MP199d	1.12	.040	1.12	.200 MIN
MP199e	1.00	.500	1.00	.200
MP199f	1.12	1.12	.562	.200

MP200



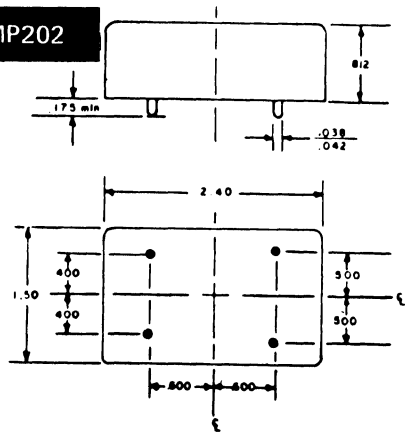
MP201



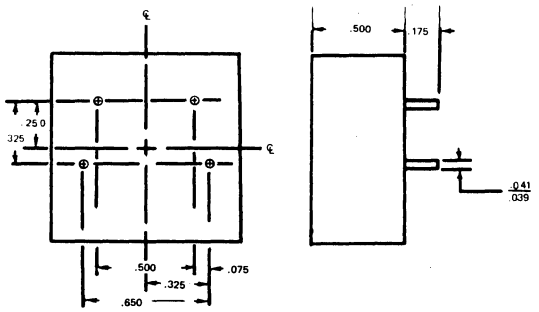
	A	B	C
MP201	3.25	2.50	.780
MP201a	4.00	2.75	1.00

PINS: .040"D x .200"H

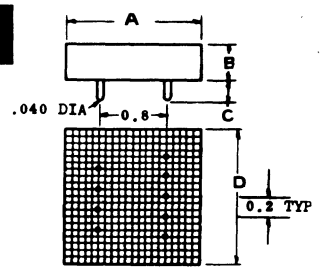
MP202



MP203

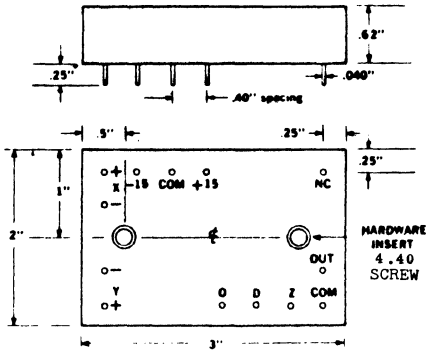


MP204

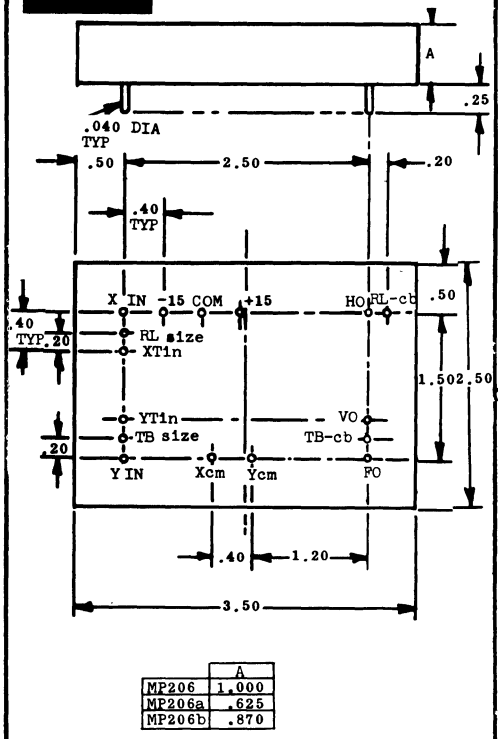


	A	B	C	D	NOTES
MP204	1.75	.400	.220 MAX	1.75	NONE
MP204a	1.50	.600	.200 MIN	1.50	CHAMFERED EDGES

MP205

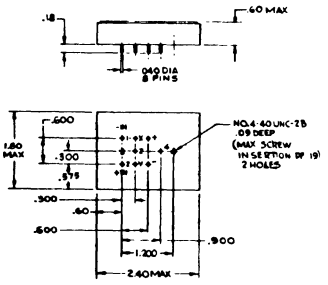


MP206

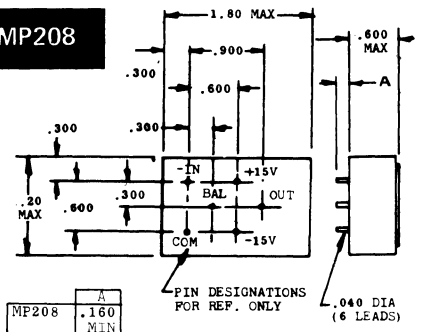


	A
MP206	1.000
MP206a	.625
MP206b	.870

MP207

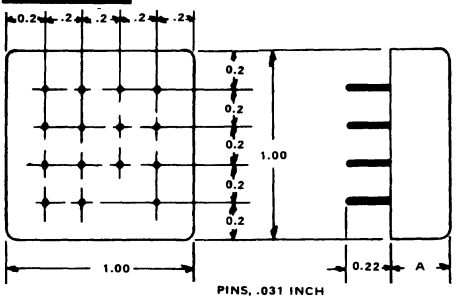


MP208



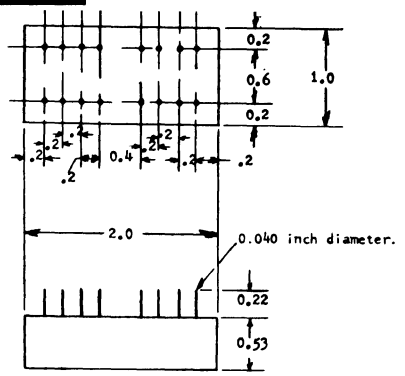
	A
MP208	.160 MIN
MP208a	.180 MIN
MP208b	.200 .250

MP209

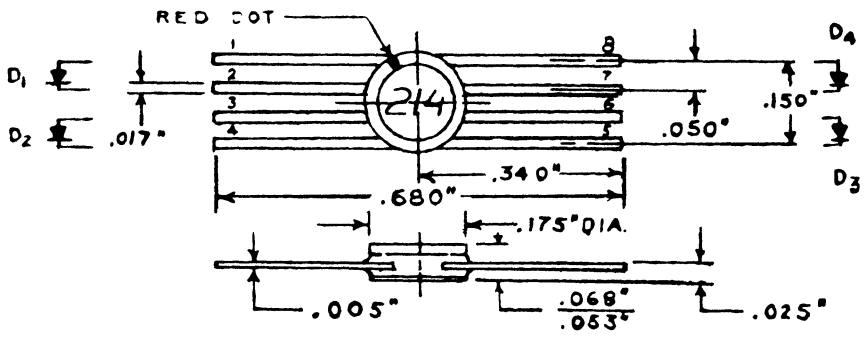


	A
MP209	.310
MP209a	.500

MP210



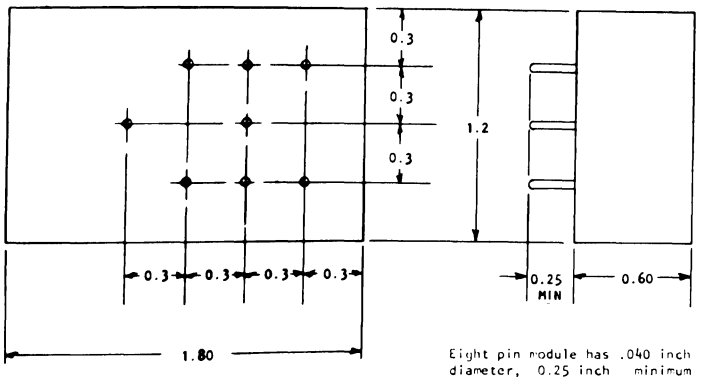
MP212



14. OUTLINE DRAWINGS

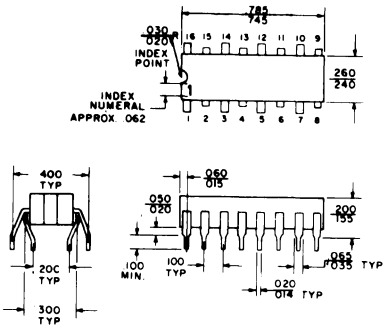
IN DRAWING NUMBER SEQUENCE

MP213

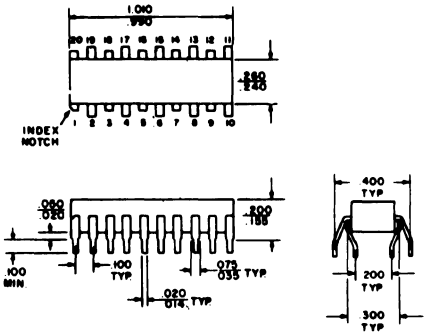


Eight pin module has .040 inch diameter, 0.25 inch minimum length pins.

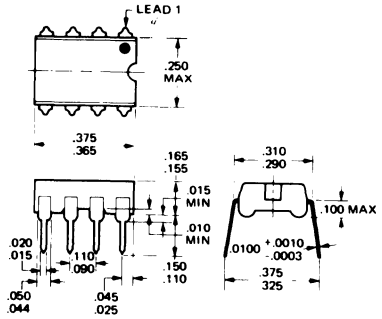
MP214



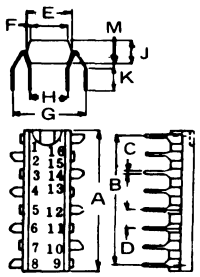
MP215



MP216

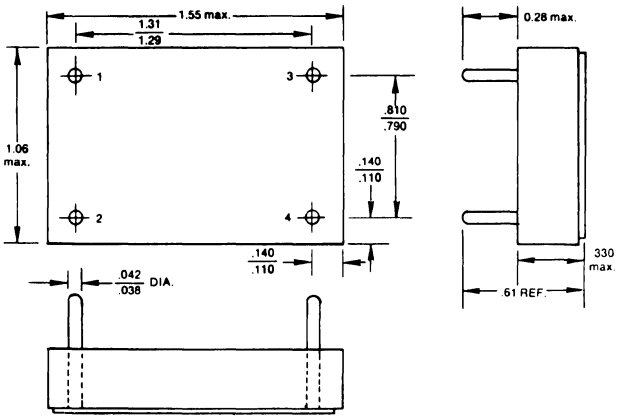


MP217

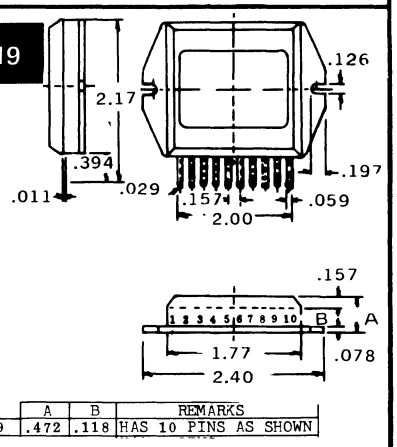


	A	B	C	D	E	F	G	H	J	K	M
MP217	.787 MAX	.680	.015	.100	.255 MAX	.210	.400	.200	.129	.125	.019
MP217a	.779 .787	.700	.017	.100			.391 .405	.191 .206	.161 MAX	.110 MIN	
MP217b	.745 .785		.017 .021	.098 .102	.243 .263	.243 .263	.400	.200		.124 .140	.075

MP218

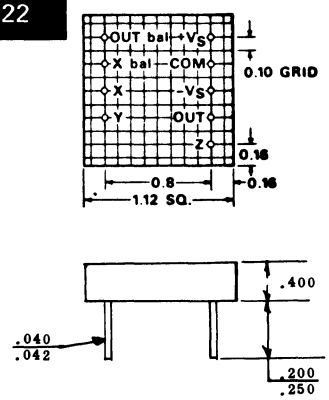


MP219

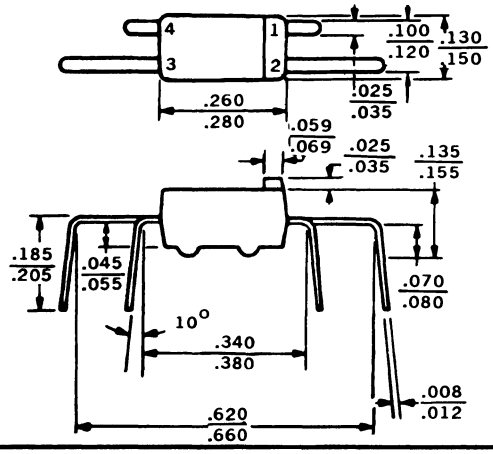


	A	B	REMARKS
MP219	.472	.118	HAS 10 PINS AS SHOWN

MP222



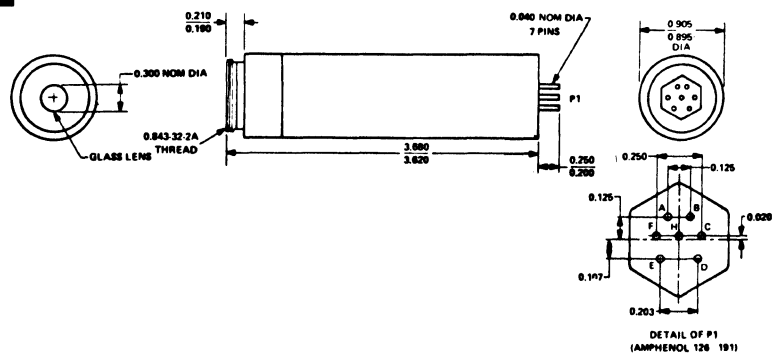
MP223



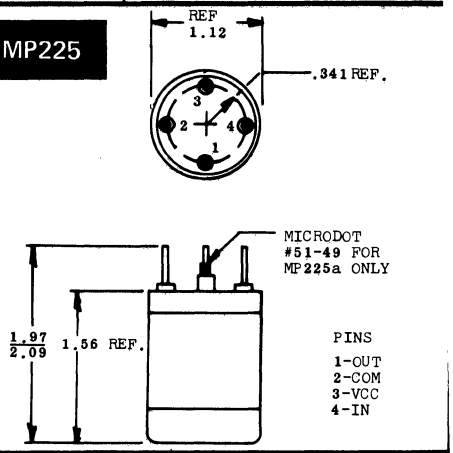
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

MP224

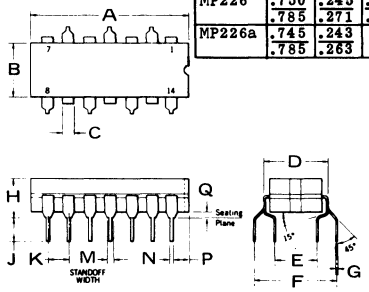


MP225

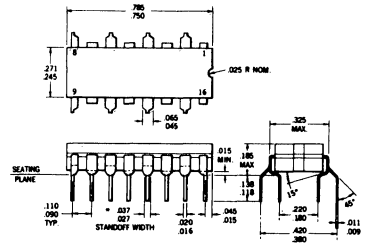


MP226

	A	B	C	D	E	F	G	H	J	K	M	N	P	Q
MP226	.750 .785	.245 .271	.045 .065	.325 MAX	.180 .220	.380 .420	.009 .011	.185 MAX	.118 .138	.090 .110	.027 .037	.016 .020	.065 .095	.015 MIN
MP226a	.745 .785	.243 .263		.300	.200	.400		.180 .230	.105 .125	.099 .101	.030 .034	.017 .021		

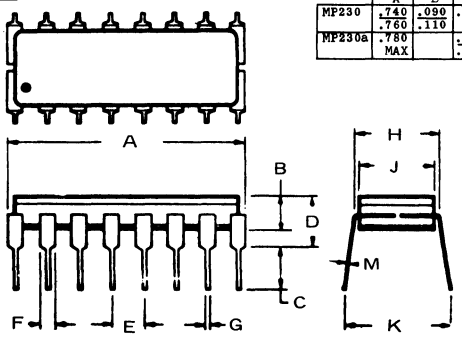


MP228

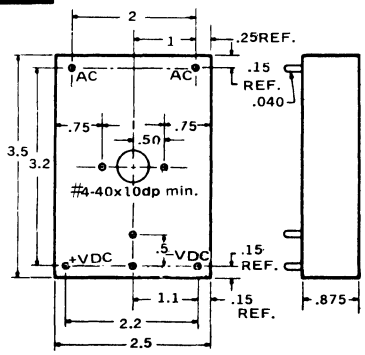


MP230

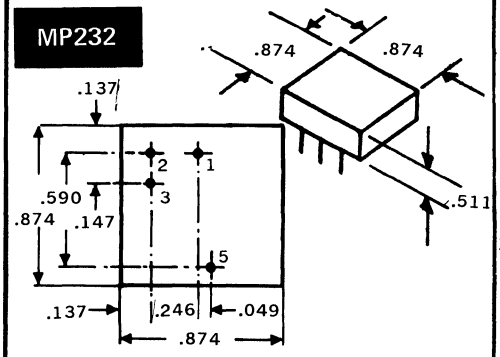
	A	B	C	D	E	F	G	H	J	K	M
MP230	.740 .760	.090 .110	.100 MIN	.200 MAX	.090 .110	.055	.019	.290 .310	.235 .265	.375 MAX	.009 .011
MP230a	.780 MAX		.105 .145	.180 MAX	.090 .110		.015 .019	.320 MAX	.265 MAX	.310 .350	.010



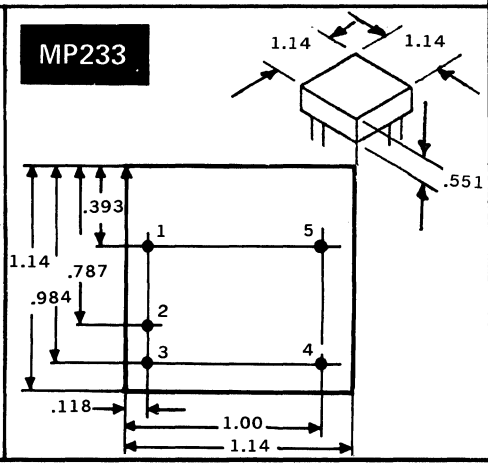
MP231



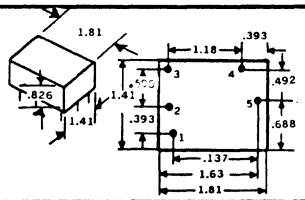
MP232



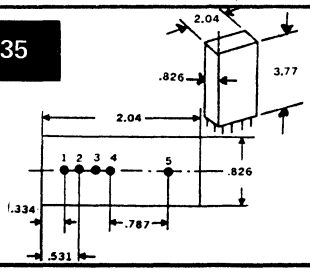
MP233



MP234



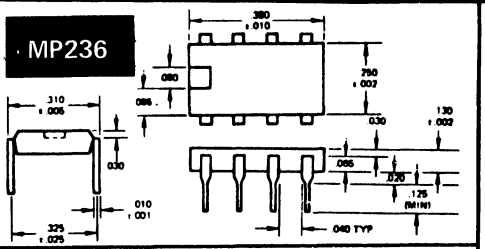
MP235



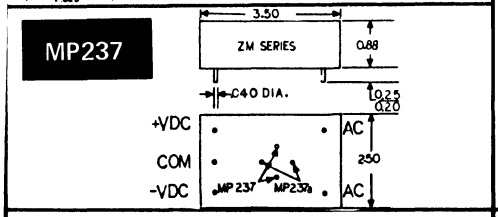
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

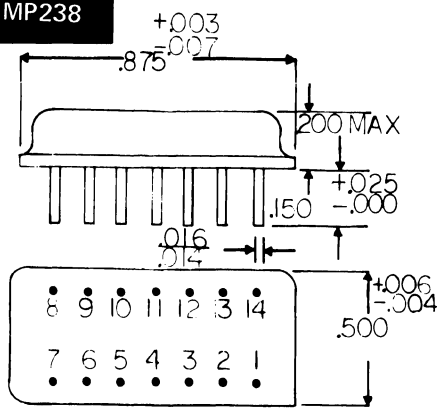
MP236



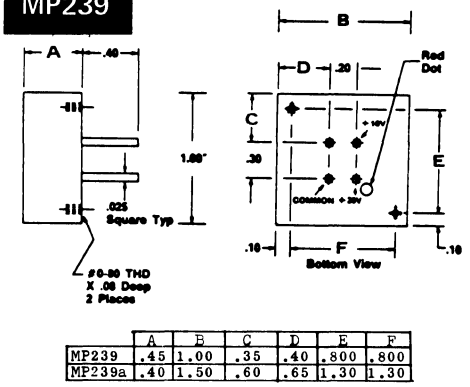
MP237



MP238

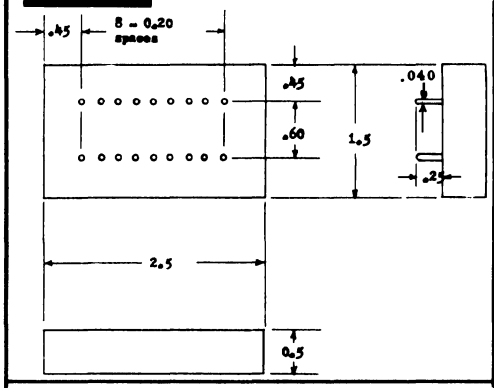


MP239

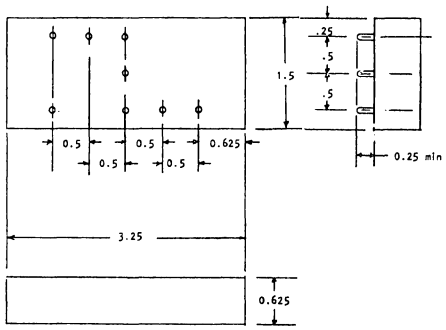


	A	B	C	D	E	F
MP239	.45	1.00	.35	.40	.800	.800
MP239a	.40	1.50	.60	.65	1.30	1.30

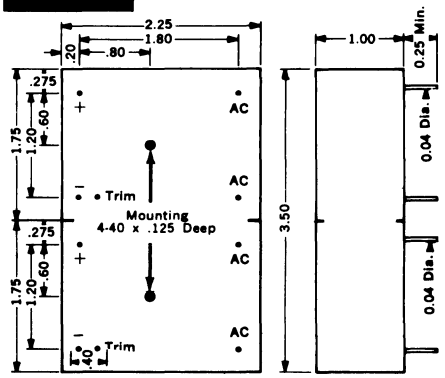
MP241



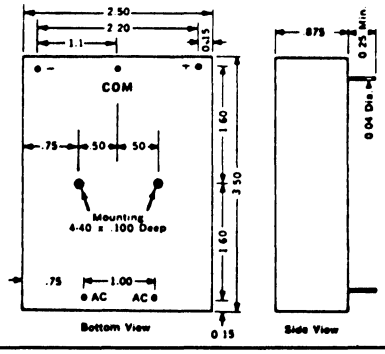
MP242



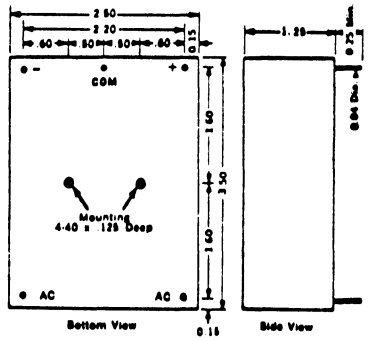
MP243



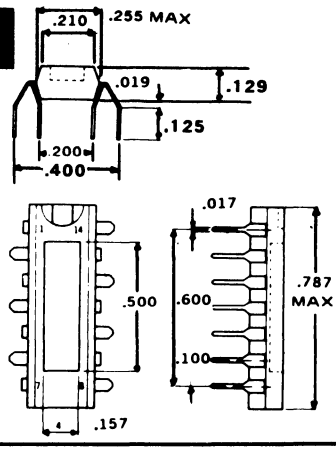
MP244



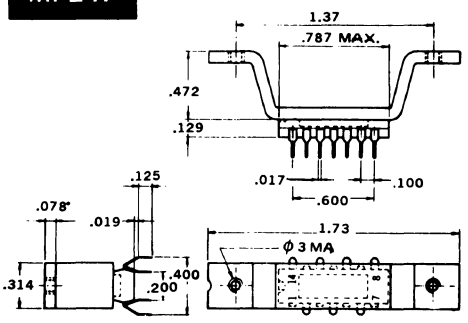
MP245



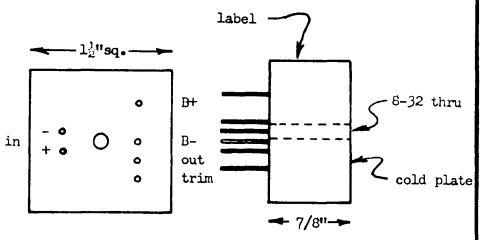
MP246



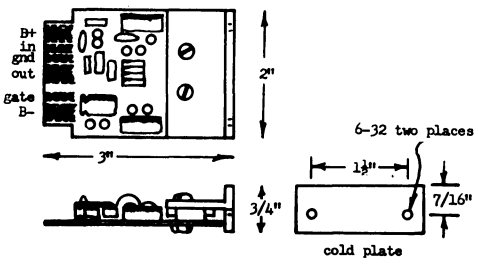
MP247



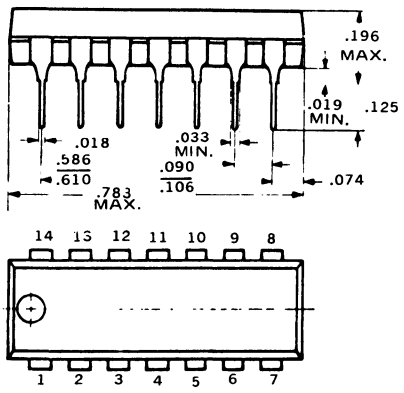
MP248



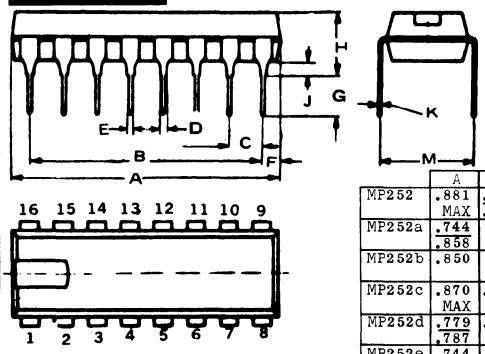
MP249



MP250

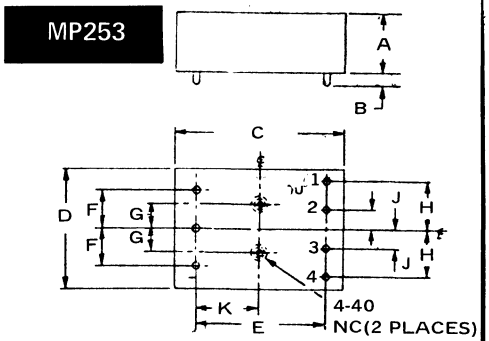


MP252



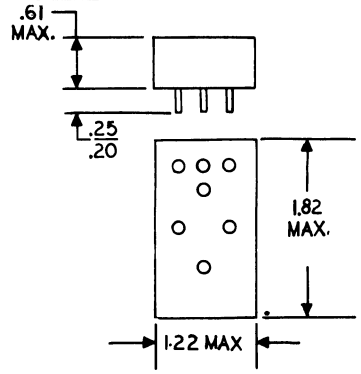
	A	B	C	D	E	F	G	H	J	K	M
MP252	.881 MAX	.690 .710	.090 .106	.033 MIN	.018	.031 MIN	.125	.196 MAX	.019 MIN	.010	.300
MP252a	.744 .858		.100		.011 .020		.185 MAX	.185 MAX	.012 MIN	.009 .012	.290 .375
MP252b	.850		.098		.019		.145	.185 MAX	.035	.011	.350
MP252c	.870 MAX	.700 TP	.100 TP	.033 MIN	.015 .021	.055 .095	.125 MIN	.200 MAX	.020 MIN	.008 .014	.300 .350
MP252d	.779 .787	.700	.100		.017	.039 .047	.122 .161	.181 MAX	.019 MIN		.299 .322
MP252e	.744 .860		.100		.015 .020		.125 .150	.185 MAX	.015 MIN	.007 .015	.290 .375

MP253

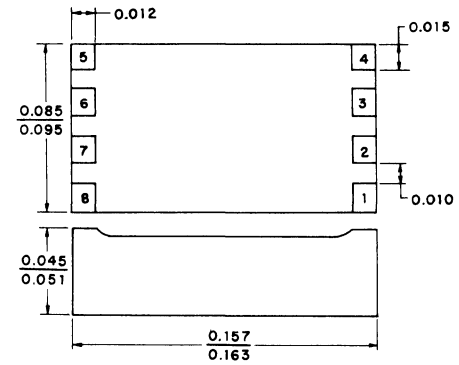


	A	B	C	D	E	F	G	H	J	K	REMARKS
MP253	1.27 MAX	.200 .250	3.52 MAX	2.52 MAX	2.70	.800	.500	1.00	.400	1.25	
MP253a	1.25	.200 MIN	3.50	2.50	3.50	1.10	.500			1.50	OMIT PINS 5 and 8

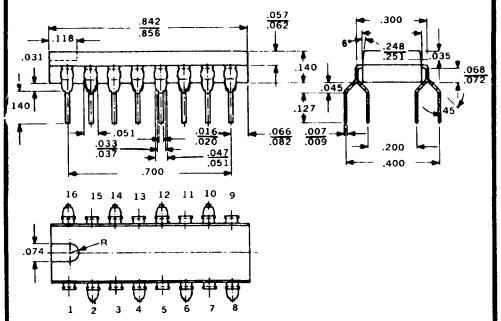
MP254



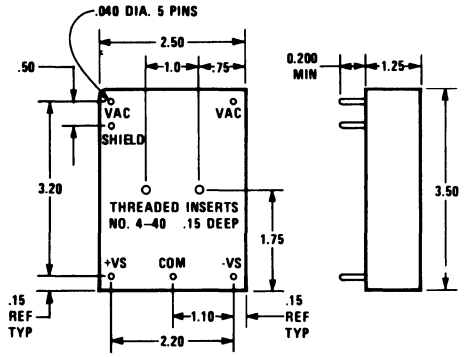
MP255



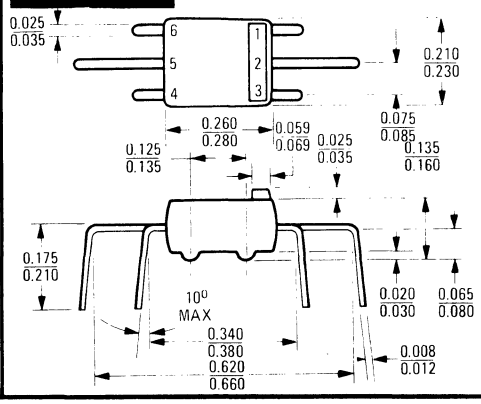
MP256



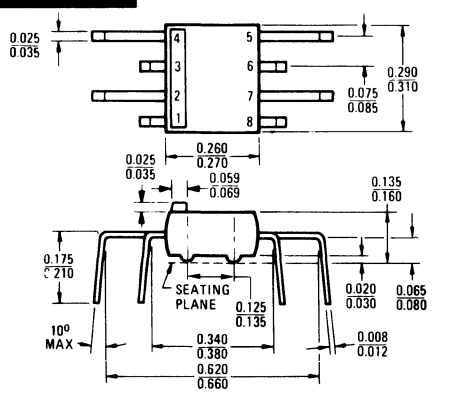
MP257



MP258



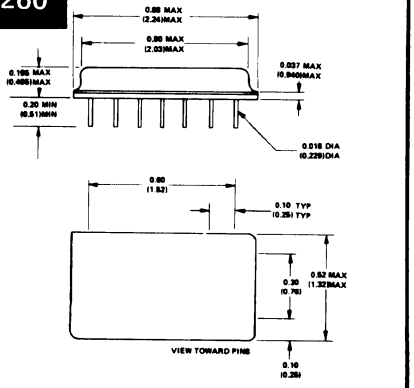
MP259



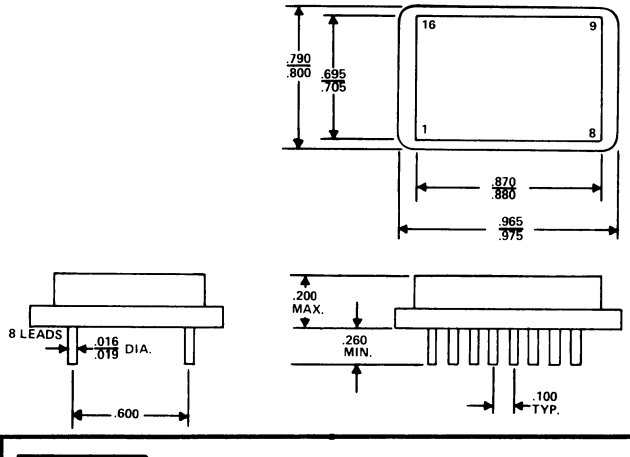
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

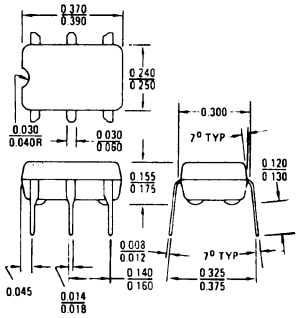
MP260



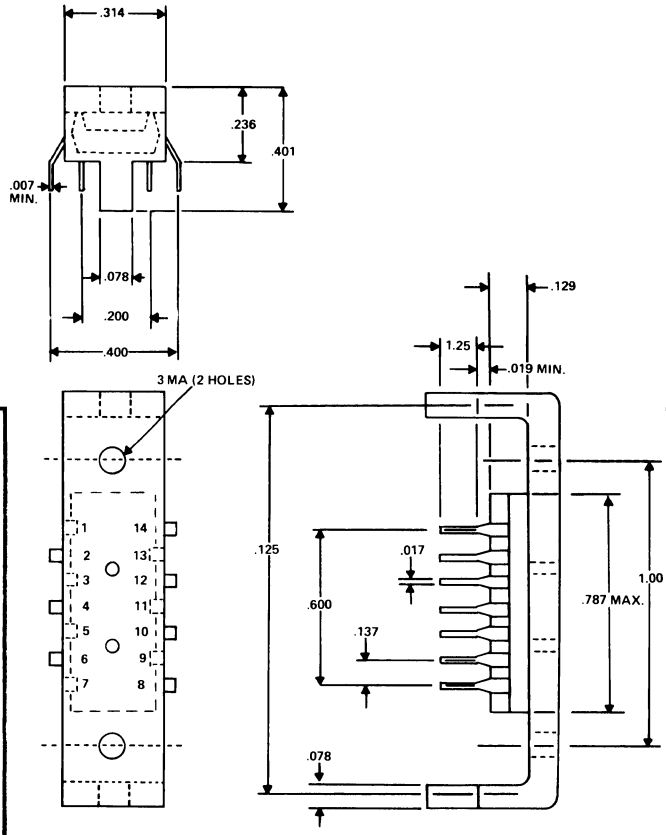
MP261



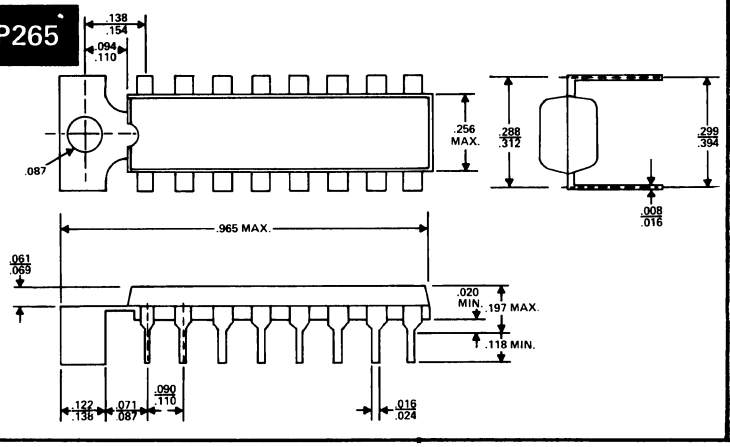
MP263



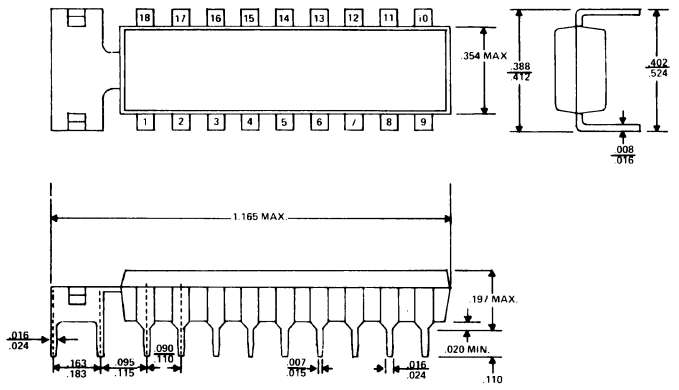
MP264



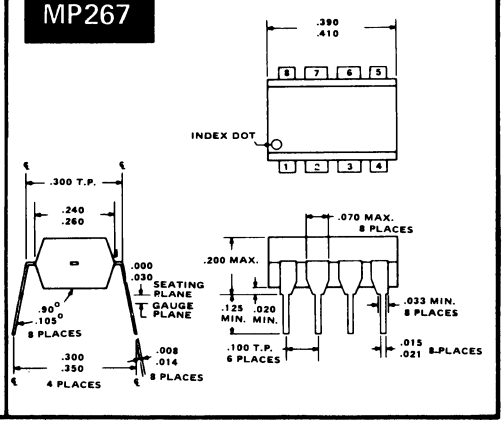
MP265



MP266



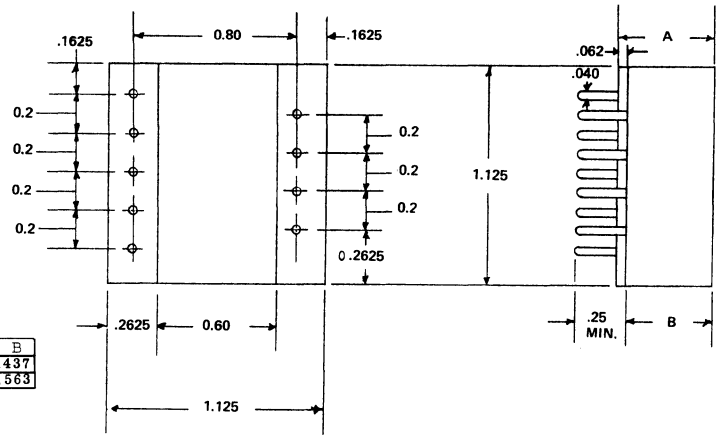
MP267



14. OUTLINE DRAWINGS

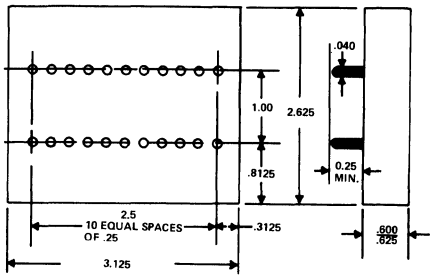
IN DRAWING NUMBER SEQUENCE

MP268

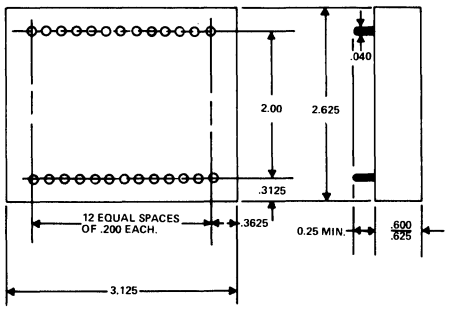


	A	B
MP268	.500	.437
MP268a	.625	.563

MP269

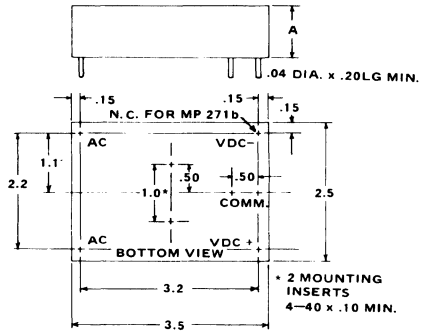


MP270



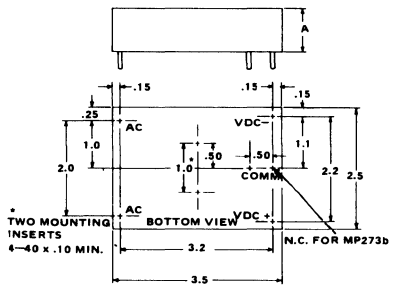
MP271

	A
MP271	.875
MP271a,b	1.25

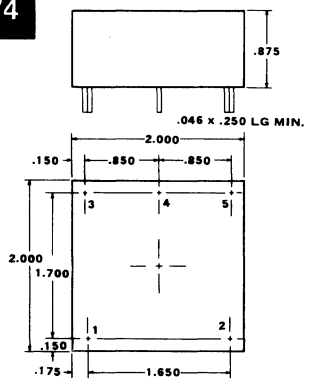


MP273

	A
MP273	.875
MP273a,b	1.25

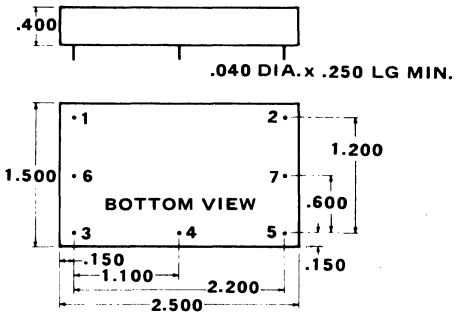


MP274



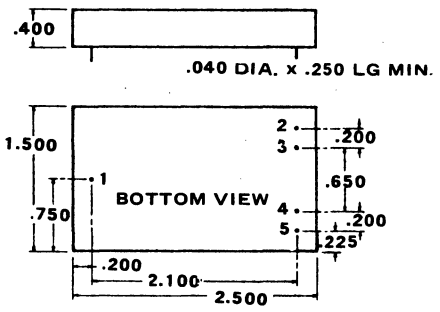
MP275

	PINS
MP275	OMIT PIN 6 and 7
MP275a	AS SHOWN

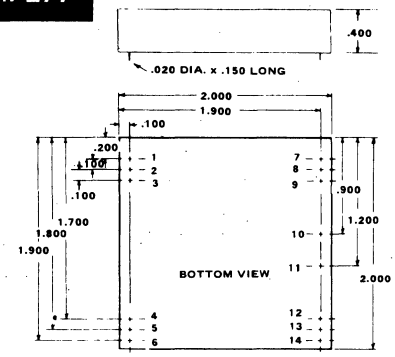


MP276

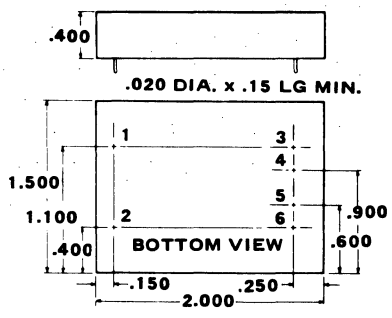
	PINS
MP276	OMIT PIN 3 and 4
MP276a	AS SHOWN



MP277



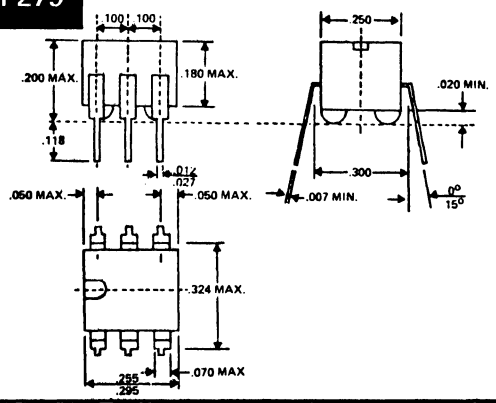
MP278



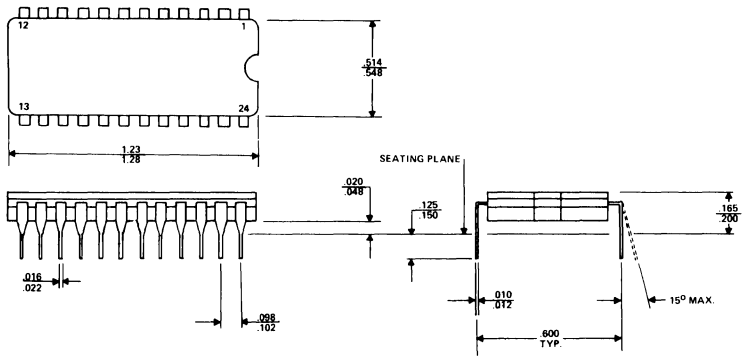
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

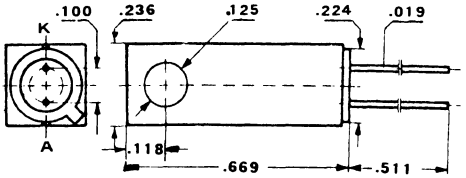
MP279



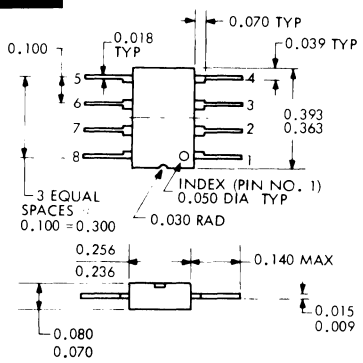
MP280



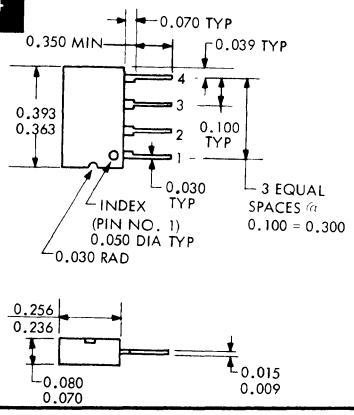
MP282



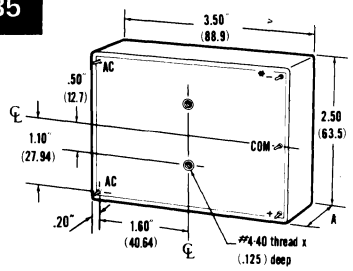
MP283



MP284



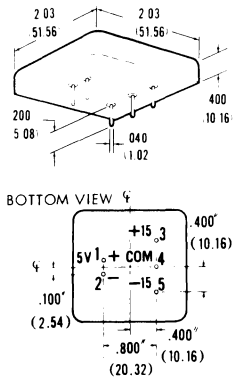
MP285



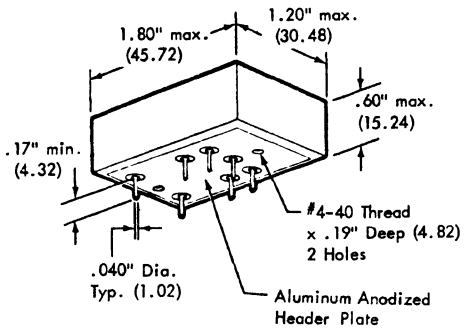
* Trim connection for Models 580, 581
No connection for Models 560, 561, 562.

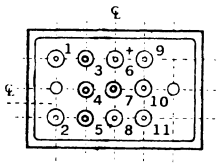
	A
MP285	.880
MP285a	1.25

MP286



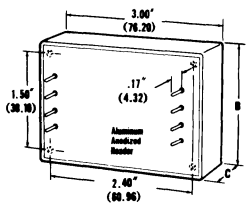
MP287



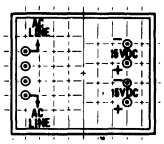


	REMARKS
MP287	PINS 3,4 and 5 OMITTED
MP287a	PINS 9 and 11 OMITTED
MP287b	PINS 4,9 and 11 OMITTED
MP287c	PINS 3,4,5,9 and 11 OMITTED
MP287d	AS SHOWN

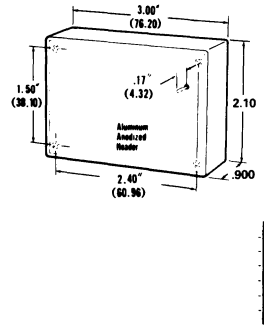
MP288

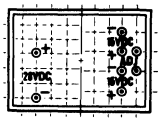


	B	C
MP288	2.50	.890
MP288a	2.10	1.80

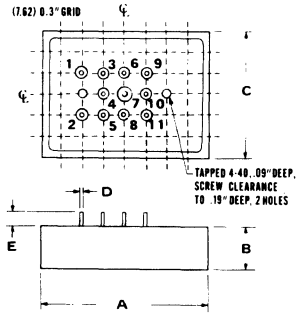


MP289



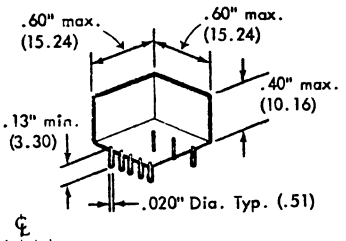


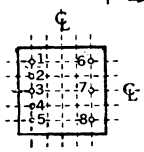
MP290



	A	B	C	D	E	REMARKS
MP290	2.40 MAX	.600 MAX	1.80 MAX	.040	.180	PIN 7 OMITTED
MP290a	2.40 MAX	.600 MAX	1.80 MAX	.040	.170 MIN	PINS 3,4,5,9 and 11 OMITTED
MP290b	2.40 MAX	.600 MAX	1.80 MAX	.040	.170 MIN	PINS 3,4 and 5 OMITTED
MP290c	2.40 MAX	.600 MAX	1.80 MAX	.040	.170 MIN	PINS 9,10 and 11 OMITTED
MP290d	2.40 MAX	.600 MAX	1.80 MAX	.040	.170 MIN	PINS 9 and 11 OMITTED
MP290e	2.60 MAX	.700 MAX	2.00 MAX	.040	.160 MIN	PINS 3,4 and 5 OMITTED
MP290f	2.40 MAX	.600 MAX	1.80 MAX	.040	.180	AS SHOWN
MP290g	2.60 MAX	.700 MAX	2.00 MAX	.040	.160 MIN	PINS 4 and 7 OMITTED
MP290h	2.40 MAX	.600 MAX	1.80 MAX	.040	.180	PINS 4,7,9 and 11 OMITTED

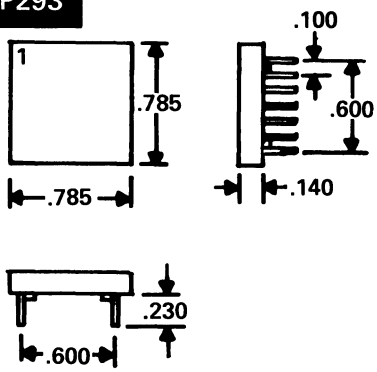
MP292



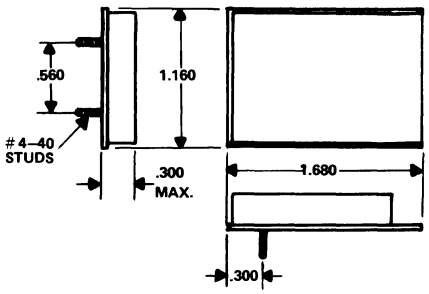


	REMARKS
MP292	AS SHOWN
MP292a	OMIT PIN 3

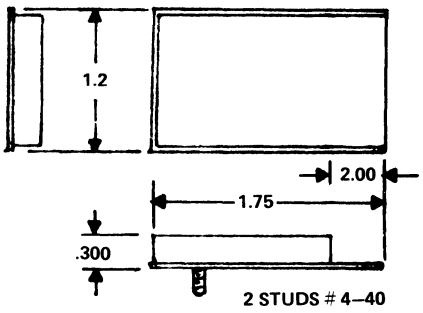
MP293



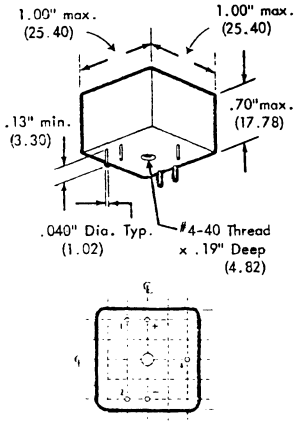
MP294



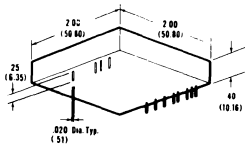
MP295

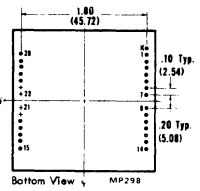


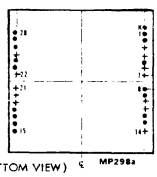
MP296

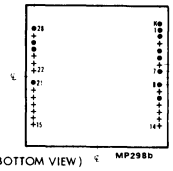


MP298

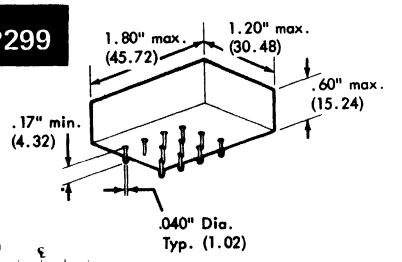


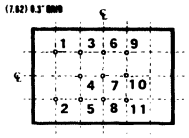






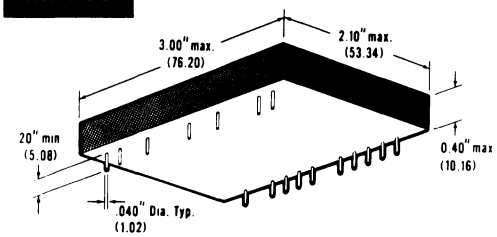
MP299

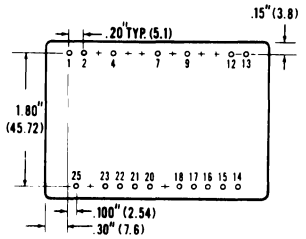




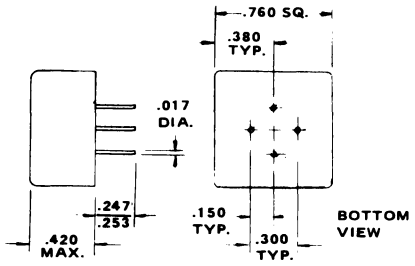
	REMARKS
MP299	AS SHOWN
MP299a	OMIT PIN 7,9 and 11

MP300

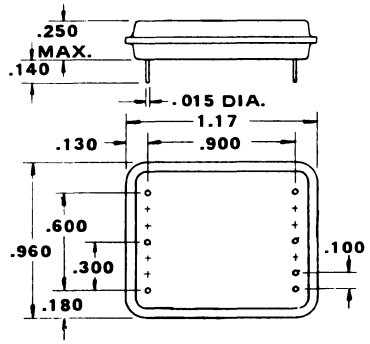




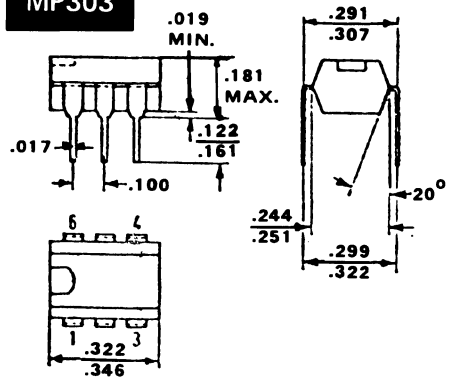
MP301



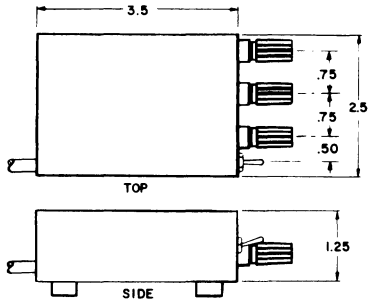
MP302



MP303

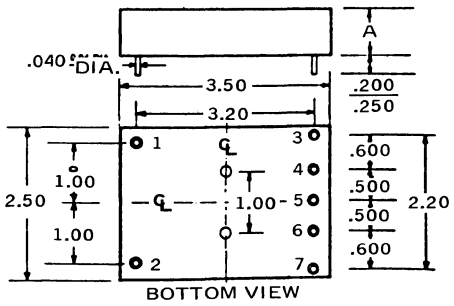


MP304

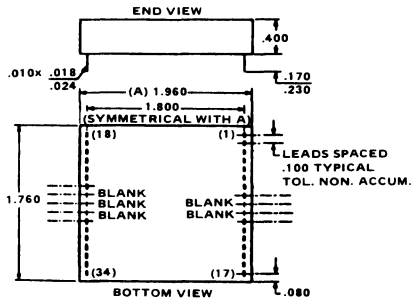


MP305

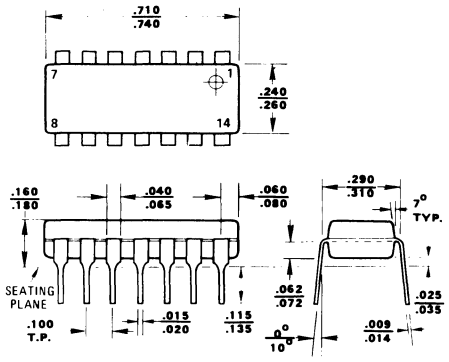
	A
MP305	.580
MP305a	1.25



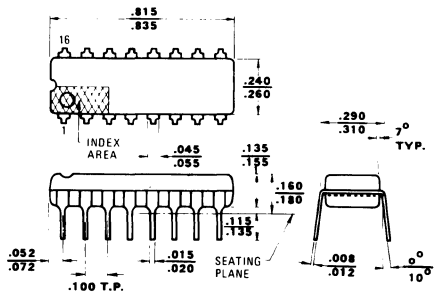
MP306



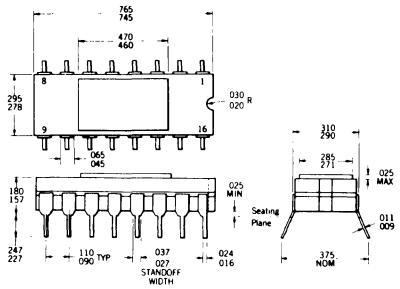
MP307



MP308



MP309

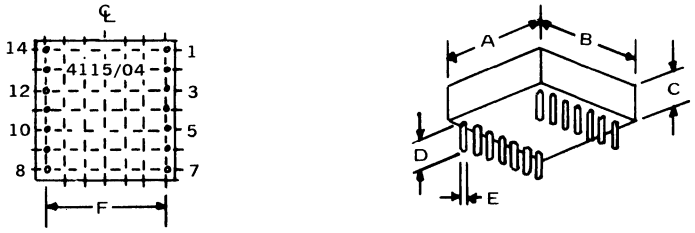


14. OUTLINE DRAWINGS

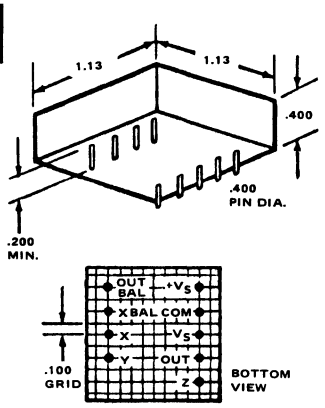
IN DRAWING NUMBER SEQUENCE

MP310

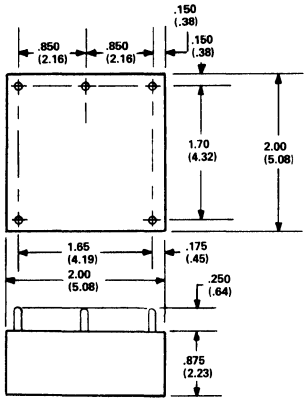
	A	B	C	D	E	F	REMARKS
MP310	.760	.760	.250	.180	.020	.600	AS SHOWN
MP310a	.460	.760	.250	.150	.020	.300	OMIT PINS 2,3,6 and 7



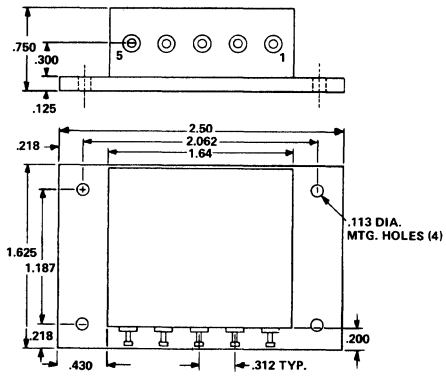
MP311



MP312



MP313



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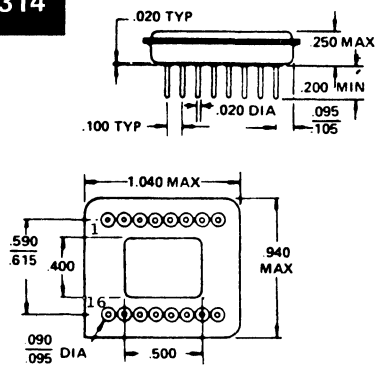

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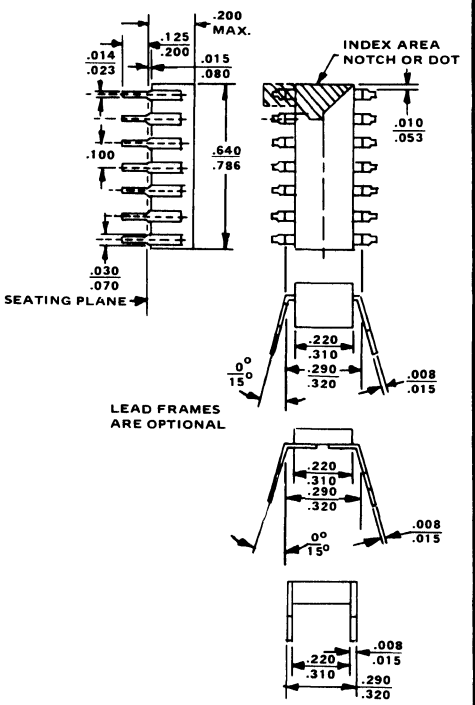

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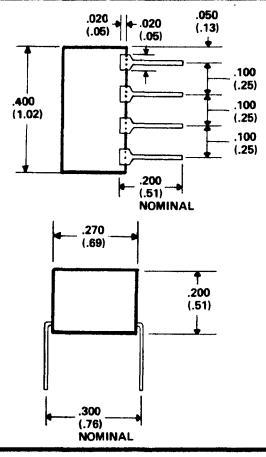

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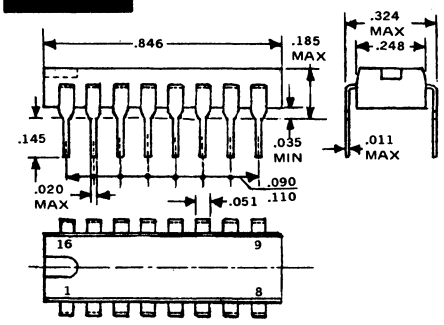

14. OUTLINE DRAWINGS

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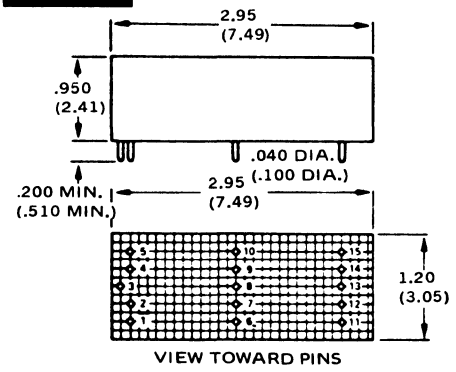

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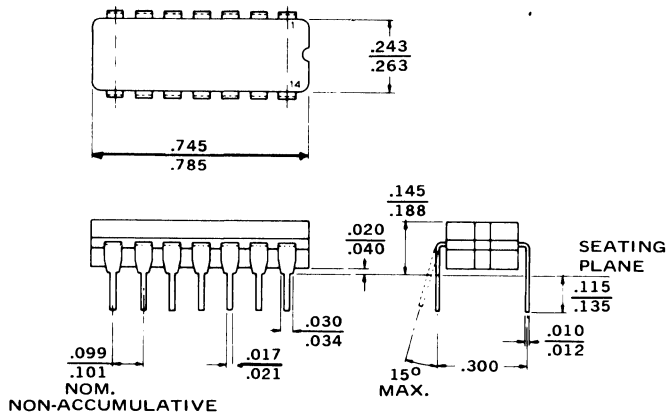

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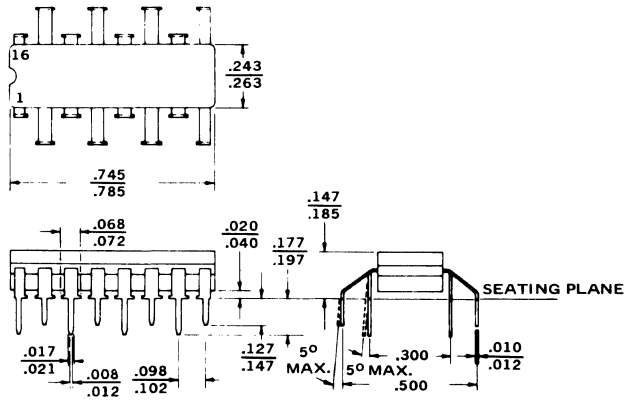

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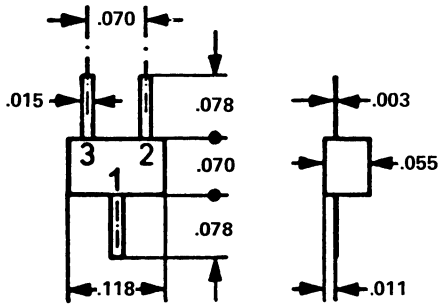

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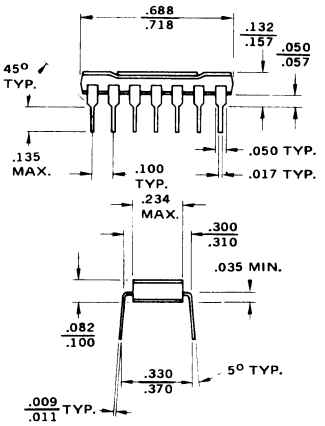

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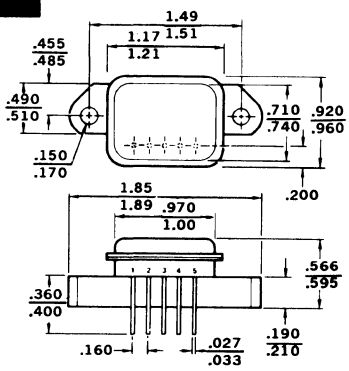

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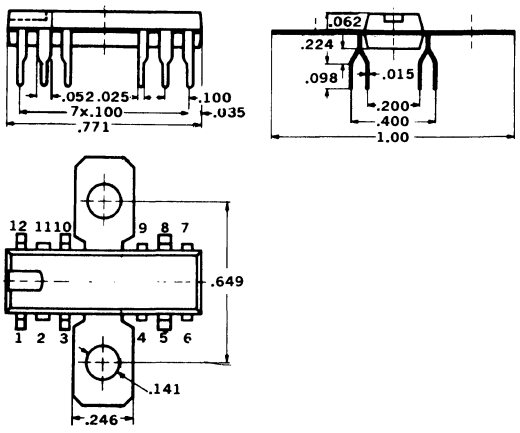

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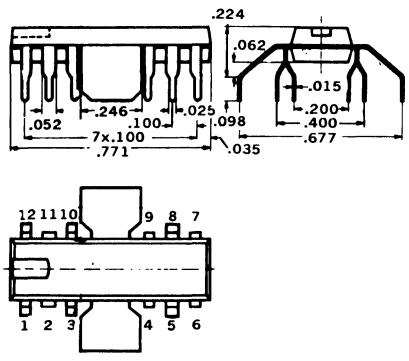

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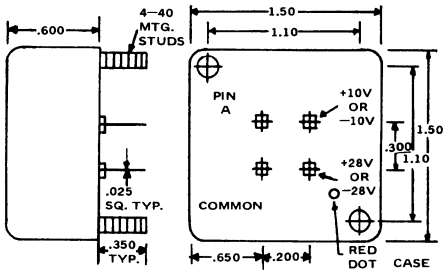

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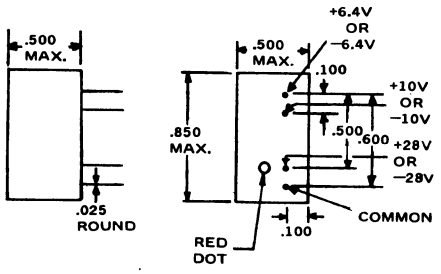

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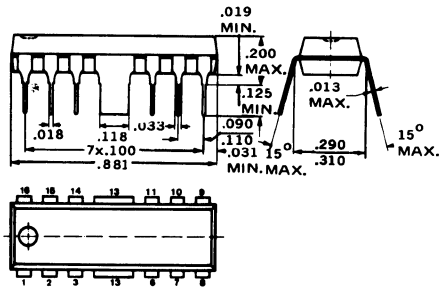

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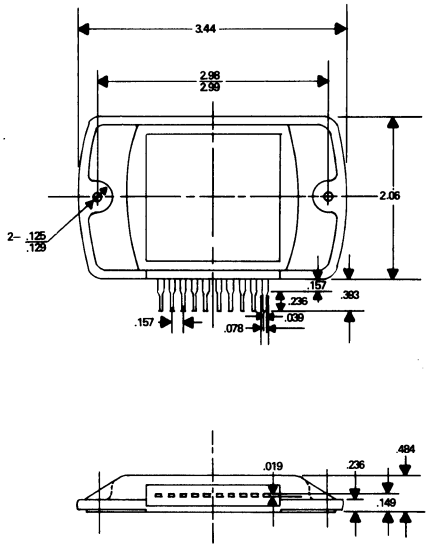

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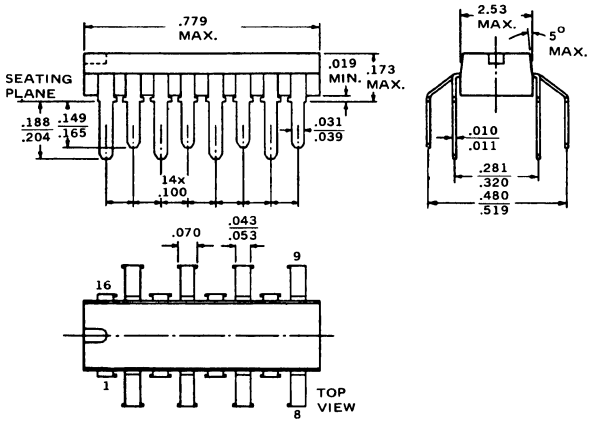

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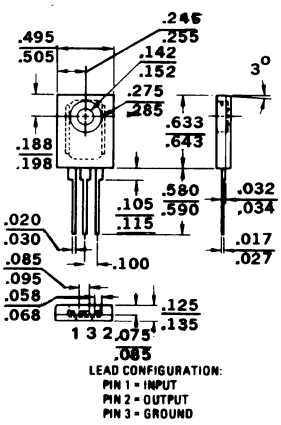

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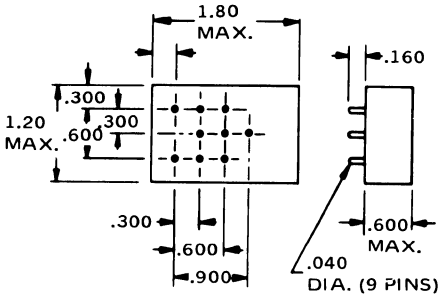

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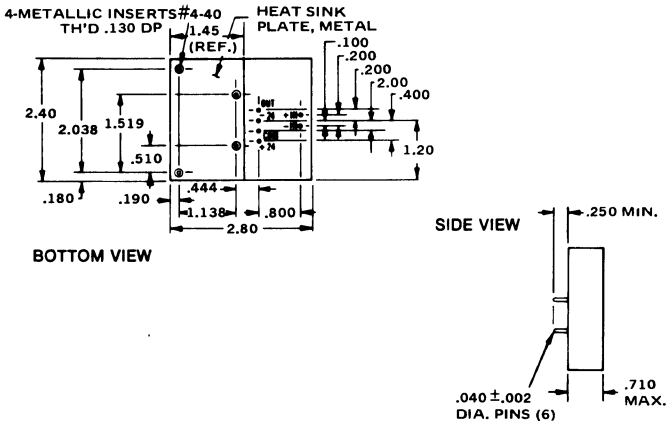

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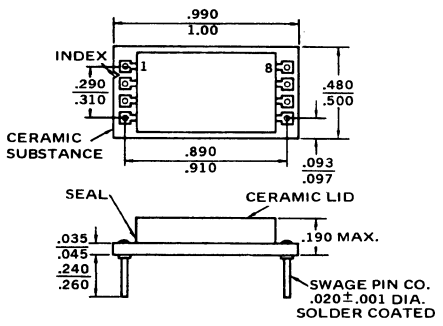

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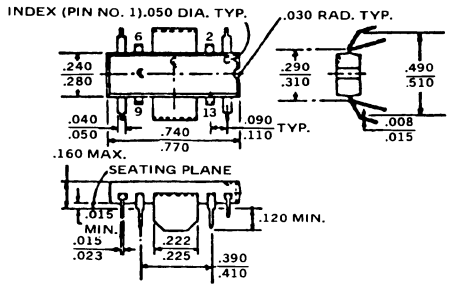

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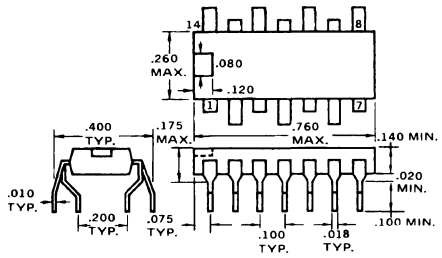

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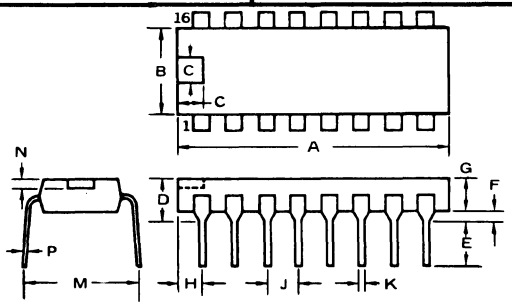

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MP337a	.779 .795	.244 .259		.181 MAX	.122 .161	.019 MIN	.161	.039 .047	.100	.017	.299 .322		.009
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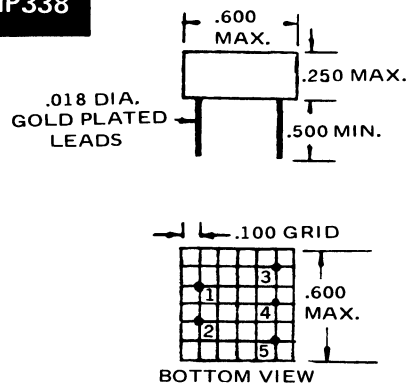

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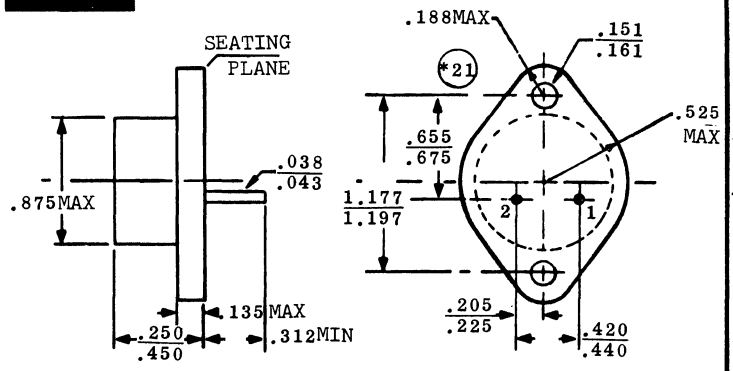

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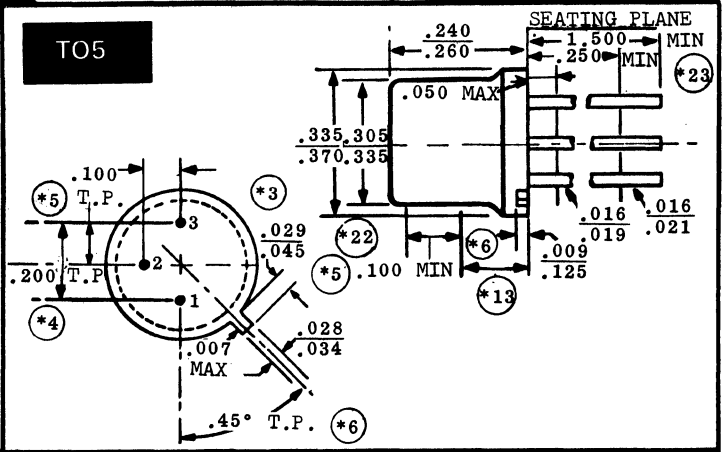

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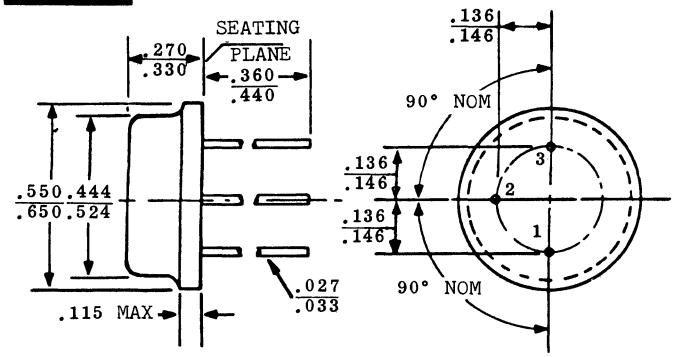

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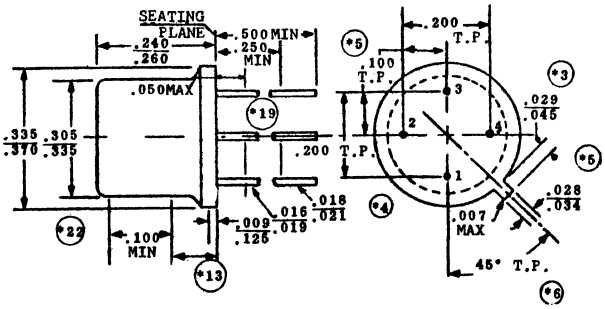

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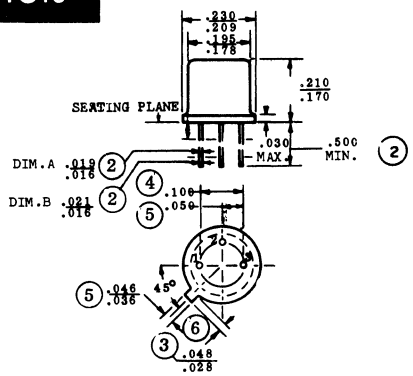

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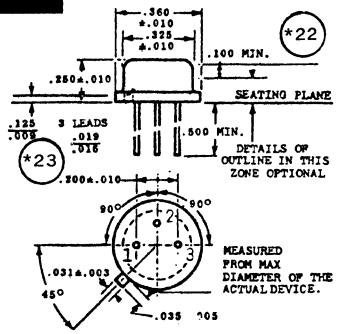

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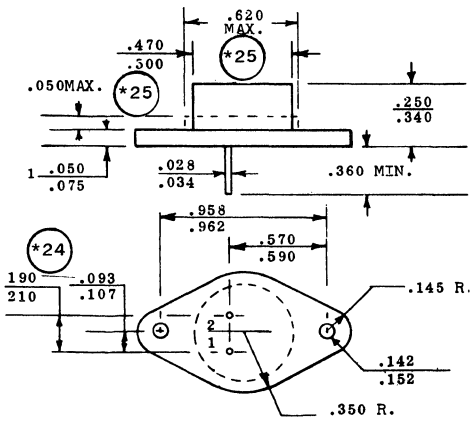

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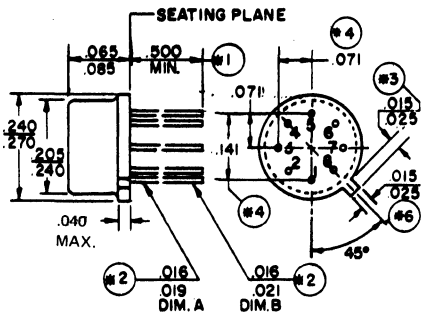

14. OUTLINE DRAWINGS

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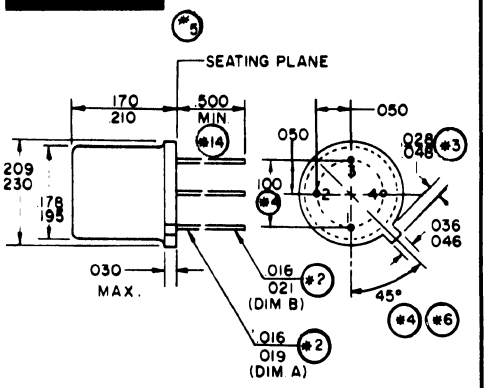

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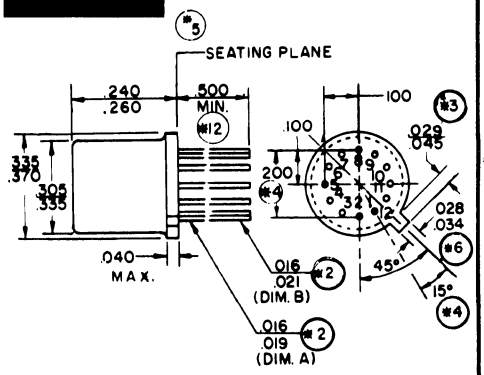

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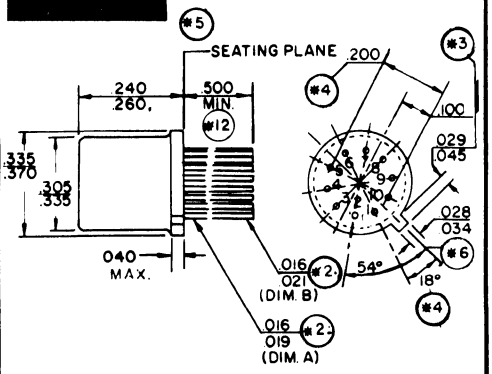

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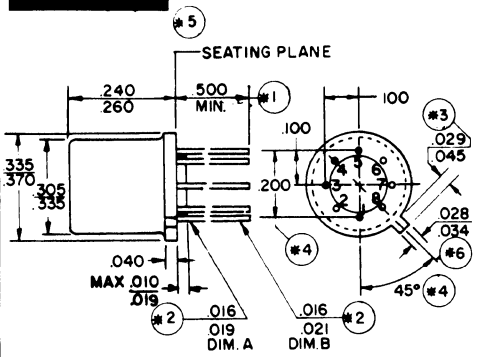

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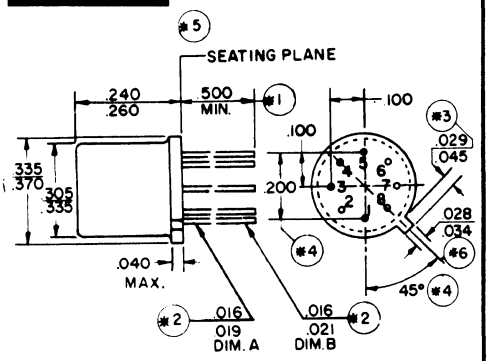

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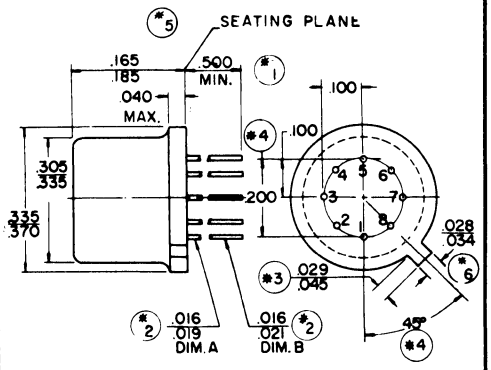

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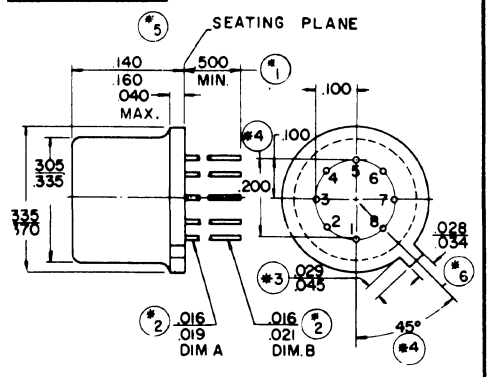

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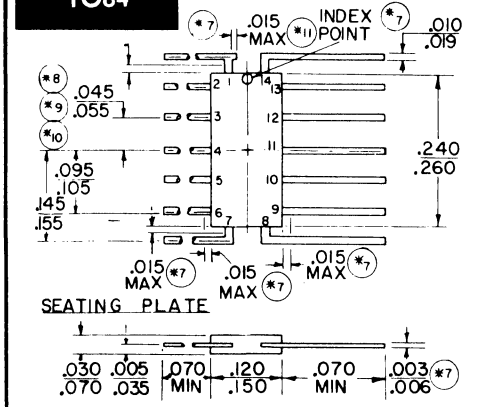

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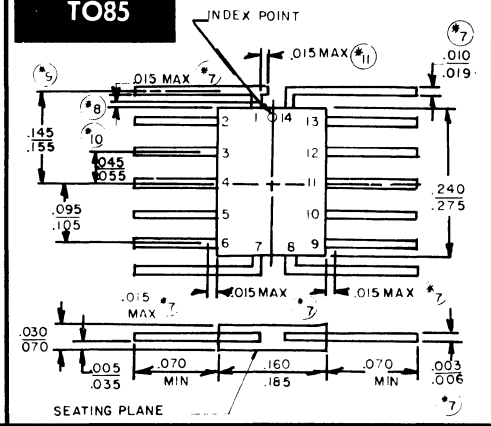

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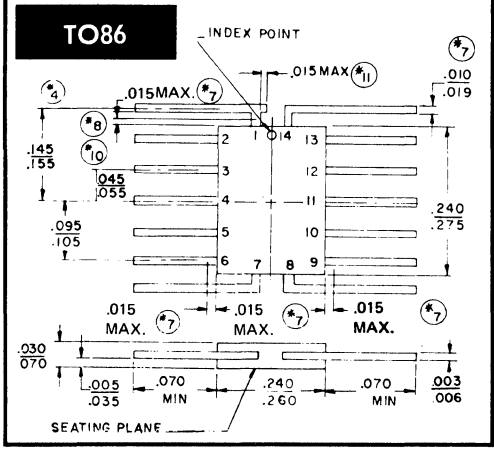

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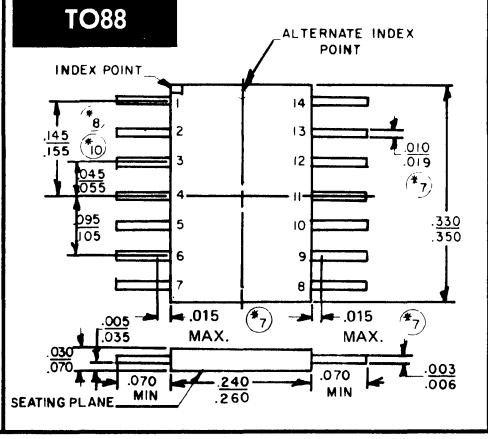

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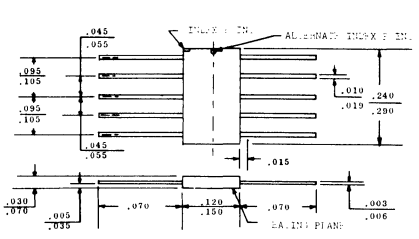

14. OUTLINE DRAWINGS

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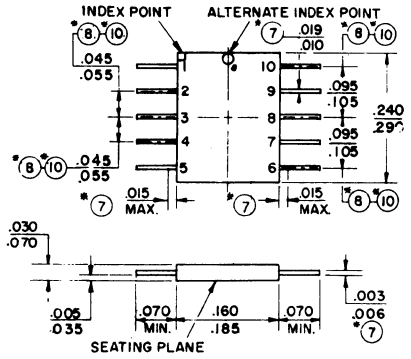

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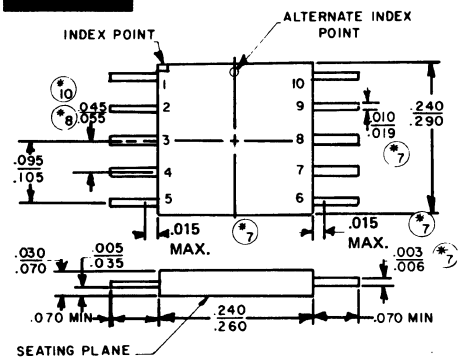

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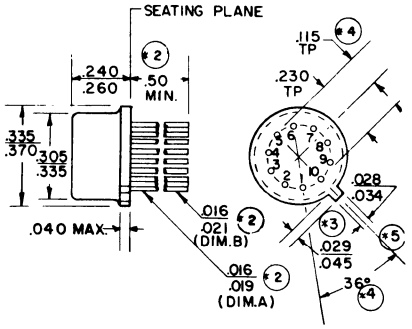

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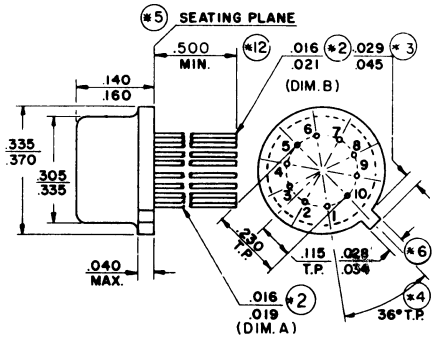

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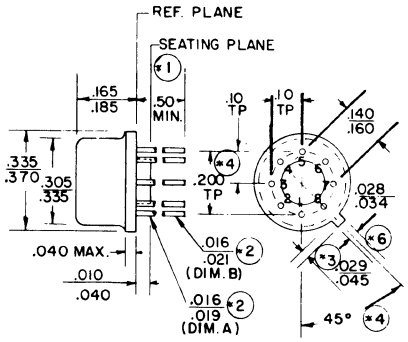

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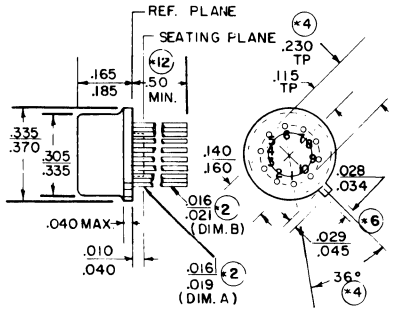

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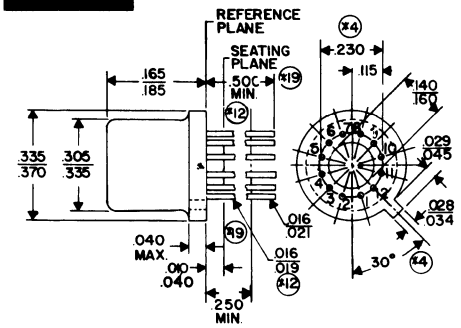

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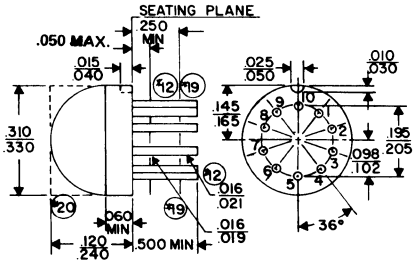

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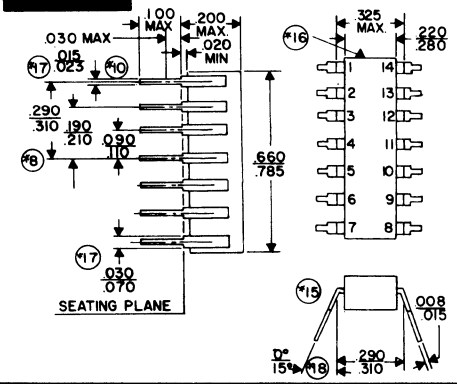


Y220/TO220

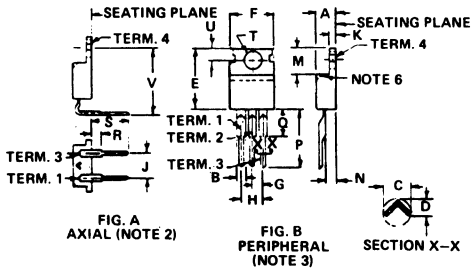


FIG. A AXIAL (NOTE 2)

FIG. B PERIPHERAL (NOTE 3)

SECTION X–X

NOTES:

1. Refer to rules for dimensioning semiconductor product outlines included in Publication No. 76.
2. Figure A, Axial Terminal Configuration applicable.
3. Figure B, Peripheral Terminal Configuration, applicable.
4. Alternate lead configurations allowed within C and D.
5. Tab contour optional within M and F.
6. Chamfer optional.
7. Position of lead to be measured .050 - .055 below seating plane.
8. Position of lead to be measured .250 - .255 from bottom of dimension E.

JEDEC "MO" DRAWING NOTES

1. Refer to rules for dimensioning axial lead product outlines.
2. Refer to rules for dimensioning peripherial lead outlines.
3. Leads within .005 radius of true position (TP) at gauge plane with maximum material condition and unit installed.
4. Leads within .003 or .007 radius of true position (TP) at gauge plane with maximum material condition.
5. Apply in zone measured .000 to .030 when unit installed. Leads within .005 radius of (TP) at gauge plane with maximum material condition.
6. Applies to spread leads prior to installation.
7. Dimension .016 to .019 applies between dimensions .000 to .050 and .250 to .500. Dimension .016 to .021 applies between dimensions .250 to .500 and .500 from seating plane. Diameter is uncontrolled in dimension .000 to .050 and beyond dimension .500.
8. Measured from maximum diameter of device.
9. These dimensions determine a zone within which all body and lead irregularities lie.
10. Body stand off four places, spherical radius on seating surface. Terminal lead stand offs omitted.
11. The body stand off group is centered on the module and the stand offs shall be within a .010 radius of their TP measured at gauge plane.
12. Mechanical index.
13. Radius three sides.
14. Draft four sides.
15. Either numeric or Alpha-numeric terminal lead designation system may be used for this outline. Alpha-numeric system is preferred.
16. Terminal lead stand off, four places. Centered on pin within .006. Body stand offs omitted.
17. Contour within dotted outline optional.
18. The dimension .016 to .019 applies between the dimensions .025 max and .070 min. Diameter is uncontrolled within the .025 dimension.
19. When base of body is to be attached to heat sink, terminal lead stand offs are not required and Dim. B equals 0. When Dim. B equals 0, the leads emerge from the body with the D dim. and reduce to the C dim. above the seating plane.
20. Contour optional.
21. Pin spacing is .100 TP except for outer most rows where spacing is 1.5x.100 TP. (For example - spacing between pin #64 and #1 is .150 TP, where as spacing between pin #1 and #2 and #3, etc. is .100 TP.)
22. Typical all sides.
23. Terminal lead shall be within .203 mm radius of their TP measured at gauge plane.
24. Visual index position relates to JEDEC outline TO-69. Visual index located within index area is preferred.
25. Distance between lead centerlines.

JEDEC "TO" DRAWING NOTES

1. Maximum number of leads omitted in this outline, Three (3). The number and position of present are indicated in the product registration. Outline designation determined by the location and minimum angular spacing of any two adjacent leads.

2. (All leads) Diameter is uncontrolled to .050 from seating plane and beyond minimum tolerance of lead length (1.5 or .5) from seating plane. Dim. A applies between .050 and .250 from seating plane. Dim. B applies between .250 and minimum tolerance of lead length from seating plane.

3. Measured from maximum diameter of the actual device.

4. Leads having maximum diameter .019 (.483MM) measured in gaging plane .054 (1.37MM) - .001 (.025MM) - .000 (.00MM) below the seating plane of the product shall be within .007 (.178MM) of their true position relative to a maximum width tab.

5. The product may be measured by direct methods or by gage.

6. Tab centerline.

7. Lead dimensions uncontrolled in this zone to allow for body and lead finish irregularities.

8. Leads missing from their designated positions shall also be counted when numbering leads for specific applications.

9. Spacing and angle of the end leads at the point of emergence of body is not controlled.

10. Leads spacing shall be measured within .030 (.762MM) from the point of emergence from the body or, as in the case of end lead, from the point where the extension of the body outline intersects the end leads.

11. Mechanical index, optional.

12. Maximum number of leads omitted in this outline, One (1). The number and position of leads actually present are indicated in the product registration. Outline designation determined by the location and minimum angular spacing of any two adjacent leads.

13. Irregularity in body outline not controlled in this zone.

14. Maximum number of leads omitted in this outline, None (0). The number and position of leads actually present are indicated in the product registration. Outline designation determined by the location and minimum angular or linear spacing of any two adjacent leads.

15. Overall installed width.

16. Index to be visible from top, this end only.

17. Lead transition geometry from .015/.023 to .030/.070 optional on body side of seating plane.

18. Installed position of lead centers.

19. (All leads) .016/.019 applies between .050 max. and .250 min. .016/.021 applies between .250 min. and .500 (12.70MM) from reference plane. Diameter is uncontrolled in .050 max. and beyond .500 (12.70MM) from reference plane.

20. Contour of package beyond this zone optional, but must be confined with .310/.330 and .120/.240.

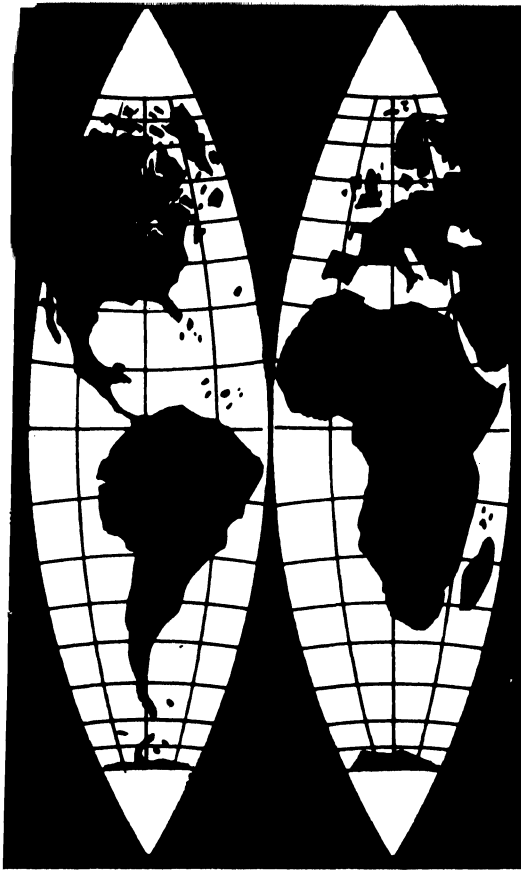
21. These dimensions should be measured at points .050 (1.27MM) to .055 (1.40MM) below seating plane. When gage is not used, measurement will be made at seating plane.

22. This zone is controlled for automatic handling. The variation in actual diameter within the zone shall not exceed .010 (.254MM).

23. (Three Leads) Dim. .016-.019 applies between .050 max. and .250 min. Dim. .016-.021 applies between .250 and 1.5 (38.10MM) from seating plane. Diameter is uncontrolled in .050 max. and beyond 1.5 (38.10MM) from seating plane.

24. Dimension does not include sealing flanges.

25. The outline contour is optional within zone defined by these dimensions.



SECTION 15

LINEAR IC

Manufacturers' Local Offices

These manufacturers have listed their local offices in this section for your convenience. Please contact the local office nearest you for any additional information you may need.

(MANUFACTURERS IN ORDER OF D.A.T.A. CODE LETTERS)

ALGG – AEG-TELEFUNKEN

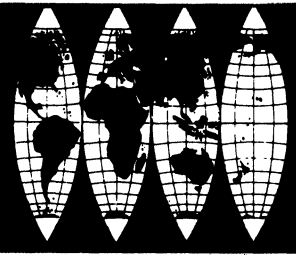
			Zip Code	Telephone No.	Telex
Postfach 1042, D 7100 Heilbronn, Germany				07131-8821	728746
ENGLAND	Middlesex	M.C.P. Electronics Limited Semiconductor Division Alperton Wembley	HAO 4PE	902 5941	923455
U. S. A.	California	Nucleonic Products Company, Inc. 6660 Variel Avenue Canoga Park	91303	213-887-1010	TWX 910-494-1954

APX – AMPEREX ELECTRONIC CORPORATION

			Zip Code	Telephone No.	TWX
Providence Pike, Slatersville, Rhode Island			02876	410-737-3000	710-387-1591
ILLINOIS	Northlake	Amperex Electronic Corporation 360 E. North Avenue	60164	312-261-7877 312-261-7878-9	910-226-1968
NEW YORK	Hicksville	Amperex Electronic Corporation 230 Duffy Avenue	11802	516-931-6200	516-433-9045

INTERNATIONAL

					Telex
CANADA	Ontario	Philips Electron Devices 116 Vanderhoof Avenue Toronto	M4G 2J1	416-425-5161	02-2513



Manufacturers' Local Offices

DIC — DICKSON ELECTRONICS CORPORATION

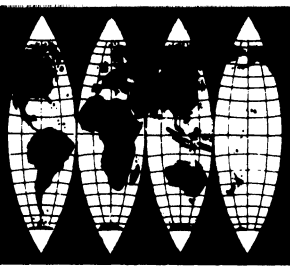
	Zip Code	Telephone No.	Telex
8700 East Thomas Road, (P.O. Box 1390) Scottsdale, Arizona	85252	602-947-2231	667-406 TWX 910-950-1292

FERB — FERRANTI LIMITED

			Zip Code	Telephone No.	Telex
Gem Mill, Chadderton Oldham, Lancashire, England			OLN 8NP	061-624-6661	668038
Dunsinane Avenue, Dundee, Scotland			DD2 3PN	0382-89311 0382-89321	76166
AUSTRALIA	Victoria	Smiths Industries, Pty, Ltd. Post Office Box 57 South Melbourne	3205	69 7331	AA 30986
		Namco Electronics 239 Bay Street North Brighton	3186	96-2891	AA 31261
DENMARK	Copenhagen F	Fredslund Pedersen Finsenvej 39		01-36 9050	15052
FRANCE	Paris 15e	Ceram 31, Rue du Docteur Finlay		577 42 50	65374
GERMANY	8 Munich 22	Ferranti GmbH Widenmayerstrasse 5		0811 297353	
ITALY	Milano	Messrs. Mottola Piazzeta U. Giordano 2	20122	780 231	31317
SWEDEN	Stockholm 10	Bergman & Beving AB Karlavagen 76		08/246040	19929
	Vallingby	Sonab Marketing A.B. (Agency Dept.) Sorterargatan 8	162 26	08/38 01 30	17879
U.S.A.	California	Roland Olander 540 Hollywood Way Burbank	91505	213-843-5200	910-498-2720
	New York	Ferranti Electric, Inc. East Bethpage Road Plainview, Long Island	11803	516-293-8383	510-224-6483

FSC — FAIRCHILD SEMICONDUCTOR

	Zip Code	Telephone No.	TWX
DIV. OF FAIRCHILD CAMERA & INSTRUMENT CORP. 464 Ellis Street, Mountain View, California	94040	415-962-5011	910-379-6435 Cable FAIRSEMCO



Manufacturers' Local Offices

HAS – HARRIS SEMICONDUCTOR

	Zip Code	Telephone No.	TWX
A DIVISION OF HARRIS-INTERTYPE CORPORATION Post Office Box 883, Melbourne, Florida	32901	305-727-5430	510-959-6259

INL – INTERSIL, INC.

	Zip Code	Telephone No.	TWX
10900 North Tantau Ave., Cupertino, California	95014	408-257-5450	910-338-0228

ITT – ITT SEMICONDUCTORS

			Zip Code	Telephone No.	Telex
3301 Electronics Way, West Palm Beach, Florida			33407	305-842-2411	513410
MASSACHUSETTS	Lawrence	ITT Semiconductors ..... 500 Broadway	01841	617-688-1881	94-7414
INTERNATIONAL					
ENGLAND	Kent	ITT Semiconductors Ltd. ..... Footscray, Sidcup		Footscray 3333	851-21836
FRANCE	68, Colmar	Intermetall Dep. Semiconductors ..... 16 Rue Emile Schwoerer Zone Industrielle Nord		41.31.70	88951
GERMANY	Freiburg 78	Intermetall ..... Postfach 840 19 Hans Bunte-Strasse		5171	841-72 716

MATJ – MATSUSHITA ELECTRIC CORPORATION OF AMERICA

	Zip Code	Telephone No.	TWX
INDUSTRIAL COMPONENT DEPARTMENT			
54th Floor, Pan-Am Bldg., 200 Park Avenue, New York, New York	10017	212-973-5710	710-581-4158

MIS – MINI-SYSTEMS, INC.

	Zip Code	Telephone No.	TWX
20 David Road, North Attleboro, Massachusetts	02761	617-695-0206	710-348-0564

MPI – MICROPAC INDUSTRIES, INC.

	Zip Code	Telephone No.	TWX
905 East Walnut Street, Garland, Texas	75040	214-272-3571	910-860-5186

OPA – OPAMP LABS, INC.

	Zip Code	Telephone No.
172 South Alta Vista Blvd., Los Angeles, California	90036	213-934-3566

PHIN — PHILIPS GLOEILAMPENFABRIEKEN

			Zip Code	Telephone No.	Cable
Eindhoven, Netherlands				040 79 11 11	PHILIPS EINDHOVEN
ARGENTINA	Buenos Aires	Fapesa I.y.C. Av. Crovara		652-7438/7478	
AUSTRALIA	Sydney N.S.W.	Philips Industries Ltd. Elcoma Division 95-99 York Street	2000	43-20223	
AUSTRIA	Wien	Oesterreichische Philips Bauelemente Industrie G.m.b.H. Zieglergasse 6	A-1072	93 26 22	
BELGIUM	Brussels	M.B.L.E. 80 Rue des Deux Gares	B-1070	23 00 00	
BRAZIL	Sao Paulo, SP	Ibrape S.A. Av. Paulista 2073-S/Loja		278-1111	
CANADA	Ontario	Philips Electron Devices 116 Vanderhoof Avenue Toronto	M4G 2J1	425-5161	
DENMARK	Kobenhavn NV	Miniwatt A/S Emdrupvej 115A	DK-2400	(01) 69 16 22	
FINLAND	Helsinki 10	Oy Philips Ab Elcoma Division Kaivokatu 8	SF-00100	65 80 33	
FRANCE	Paris 11	R.T.C. (RTCF)* La Radiotechnique Compelec 130, Avenue Ledru Rollin		357 69 30	
GERMANY	2 Hamburg 1	Valvo GmbH (VALG)* Valvo Haus Burchardstrasse 19		(0411) 3296-1	
HONG KONG	Hong Kong	Philips Hong Kong Ltd. Comp. Dept. Wai Yip Ind. Bldg. 41 Tsun Yip St., Kwuntong		K-42 82 05-8	

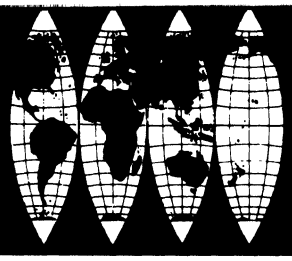
* Manufacturer Code inside ( ) can be found in Section 16, Manufacturers Code Names & Address

Continued on next page

PHIN — PHILIPS GLOEILAMPENFABRIEKEN (Cont'd)

			Zip Code	Telephone No.	Cable
Eindhoven, Netherlands				040 79 11 11	PHILIPS EINDHOVEN
ITALY	Milano	Philips S.p.A. Sezione Elcoma Piazza IV Novembre 3	I-20124	6994	
JAPAN	Tokyo	Nihon Philips 32nd Fl. World Trade Center Bldg. 5,3-chome, Shiba Hamamatsu-cho Minato-ku		(435) 5204-5	
MEXICO	Mexico 6, D.F.	Electronica S.A. de C.V. Varsovia No. 36		5-33-11-80	
NETHERLANDS	Eindhoven	Philips Nederland B.V. Afd. Elonco Boschdijk, VB		(040)79 33 33	
NORWAY	Oslo 3	Electronica A/S Middelthunsgate 27		46 39 70	
SOUTH AFRICA	Johannesburg	EDAC (pty.) Ltd. South Park Lane New Doornfontein		24/6701-2	
SPAIN	Barcelona 7	Copresa S.A. Balmes 22		232 66 80	
SWEDEN	Stockholm 27	Elcoma A. B. Lidingovagen 50	S-10250	08/67 97 80	
SWITZERLAND	Zuerich	Philips A. G. Edenstrasse 20	CH-8027	09/44 22 11	
TAIWAN	Taipei	Philips Taiwan Ltd. Elcoma Division San Min Bldg., 3rd Fl. 57-1 Chung Shan N. Road		55 31 01-5	
UNITED KINGDOM	London	Mullard Ltd. (MULB)* Mullard House Torrington Place	WC1E 7HD	01-580-6633	
UNITED STATES	Rhode Island	Amperex Electronic Corp., (APX)* Sem. & Microcircuits Div. Providence Pike, Slatersville	02876	401-762-9000	

* Manufacturer Code inside ( ) can be found in Section 16, Manufacturers Code Names & Addresses



Manufacturers' Local Offices

SGAI – SGS-ATES COMPONENTI ELETTRONICI S.P.A.

			Zip Code	Telephone No.	Telex
Via C. Olivetti 1, Agrate Brianza, Italy				65341	31436
ENGLAND	Aylesbury Bucks	SGS-ATES (United Kingdom) Ltd. Walton Street		5977	83245
FRANCE	Paris 13e	SGS-ATES France SA 58, Rue du Dessous des Berges		589-52-23	021/25938
GERMANY	Wasserburg Inn	SGS-ATES Deutschland GmbH Postfach 1269	809	08071/721	525743
ITALY	Milano	SGS-ATES Componenti Elettronici S.p.A. Via Tempesta 2		4695651	31481
SINGAPORE	Singapore 12	SGS-ATES Singapore (PTE) Ltd. Lorong 4 and 6 Toa Payoh		531411	21412
SWEDEN	Marsta	SGS-ATES Scandinavia AB Postbox	19501	0760/40120	10932
U. S. A.	Massachusetts	SGS-ATES Semiconductor Corporation 435 Newtonville Avenue Newtonville	02160	617-969-1610	922482

SIC – SIGNETICS CORPORATION

	Zip Code	Telephone No.	TWX
811 East Arques Avenue, Sunnyvale, California	94086	408-739-7700	910-339-9220 910-339-9283

SOD – SOLITRON DEVICES, INC.

			Zip Code	Telephone No.	TWX
Corporate Offices, 256 Oak Tree Road, Tappan, New York			10933	914-359-5050	710-576-2654
CALIFORNIA	Canoga Park	Solitron Devices, Inc. 20944 Sherman Way	91303	213-883-3822	910-494-1238
	San Diego	Solitron Devices, Inc. 8808 Balboa Avenue	92123	714-278-8780	910-335-1221
FLORIDA	Riviera Beach	Solitron Devices, Inc. 1177 Blue Heron Blvd.	33404	305-848-4311	510-952-6676
ILLINOIS	Des Plaines	Solitron Devices, Inc. 2720 Des Plaines Avenue	60018	312-824-8127	910-233-2634
MARYLAND	Towson	Solitron Devices, Inc. 22 W. Pennsylvania Avenue	21204	301-821-1282	710-232-1856
MASSACHUSETTS	Needham	Solitron Devices, Inc. 52 Pickering Street	02192	617-444-1152	710-325-7514
OHIO	Dayton	Solitron Devices, Inc. 3490 So. Dixie Drive	45439	513-298-9529	
TEXAS	Dallas	Solitron Devices, Inc. 10511 Church Street	75238	214-341-1180	910-861-4296

INTERNATIONAL

					Telex
ENGLAND AND EUROPE	Bedminster	Solidev Ltd. Edison Road Elms Industrial Estate Bedford		(0732)60531	825461
JAPAN	Tokyo 105	Solitron Sales Kyodo Bldg., Rm. 21, 2nd Fl. No. 4-10, 2-chome, Higashi Shinbashi, Minato-ku		(03)436-2261-2	Telex SOLITRON J28207

SPR – SPRAGUE ELECTRIC COMPANY

	Zip Code	Telephone No.	Telex
SEMICONDUCTOR DIVISION 115 Northeast Cutoff, Worcester, Massachusetts	01606	617-853-5000	920476

TADI – TADIRAN

			Zip Code	Telephone No.	Cable
ISRAEL ELECTRONICS INDUSTRIES, LTD. TADIRAN COMPONENTS DIVISION 3 Hashalom Road, P.O. Box 648, Tel-Aviv, Israel			61100	267272	TADIRAN TEL AVIV Telex 033-537
BELGIUM	Bruxelles	Neotron Electronics 37 Rue de Florence		386173	Cable CETEREL BRUB Telex 24088
ENGLAND	Slough	Auriema Limited 442 Bath Road	SL1 6BB	062 86 61931	Cable AURIEMA SLOUGH Telex 847155
FRANCE	Paris 18e	GANCO 11, Passage Lathuile		292-18-59	Cable SYSTELE PARIS Telex 21550 Ext 198
GERMANY (West)	Dortmund	Elektronik Bauelemente GmbH 15 Viktoria Strasse		(231) 528065	Cable ELEKTRONIK DORTMUN Telex EBDO 822382
ITALY	Milano	Auriema Italia S.R.L. Via Domenichino 19	20149	(02)430602 (02)437329 (02)490231	Cable AURIEMA MILANO Telex 34576 AURIEMA
SPAIN	Madrid 2	ELICO S.A. Constancia No. 43		2537062	Cable ELICOSA
SWITZERLAND	Zurich	Aumann & Company Forchstrasse 282		051-530033	Cable AUMANNCO Telex 56228 auco ch

THCF – THOMSON-CSF

			Telephone No.	Telex
DIVISION SEMICONDUCTEURS–SESCOSEM 101 Bd. Murat, 75781 Paris Cedex 16, France			525-75-75	28060
AUSTRALIA	South Melbourne	Pantechna Pty. Ltd. 8-12 Eastern Road	69.26.29	Pantechna
AUSTRIA	A 1010-Wien	Transalpina Electronics Ltda. Elisabeth strasse 8	56.15.71	Inland 12 717
BELGIUM	B 1050 Bruxelles 5	Thomson S.A.–N.V. Avenue Louise 196A	49.29.54	23 113
BRAZIL	Sao Paulo	Thomson CSF Componentes do brasil Avenue Ibirapuera 2572	61.64.83	Tesafibra Sao Paulo
DENMARK	2200 Copenhagen	SCAN SUPPLY 20 Nannasgade	AEGIR 5090	9037
ENGLAND	London W5	Thomson-CSF (U.K.) Ltd. Bilton House Uxbridge Road Ealing	579 18 57	Tesafi 25 659
FINLAND	Helsinki 25	OY Sufra AB Ruusulankatu 20A 12	49.01.37	Pierrejoly
FRANCE	13102 Aix en Provence	Sescosem Service Commercial 15, rue Camille Pelletan	(91) 276116	41.665
	38120 Saint Egreve	Sescosem Service Commercial	(76) 964848	
GERMANY	8000 Munchen 25	Sescosem Halbleiter GmbH Fallstrasse 42	811.73.10.42	522.916
ITALY	20.125 Milano	Mistral S.p.A. Via Melchiorre Gioia, 72	68.84.103	Ducati 31.042

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THCF — THOMSON-CSF (Cont'd)

			Telephone No.	Telex
DIVISION SEMICONDUCTEURS–SESCOSEM 101 Bd. Murat, 75781 Paris Cedex 16, France			525-75-75	28060
NORWAY	Oslo 6	Feiring AS Sandakervein 46B Nils Hansens Vei, 7 Box 4376, Toshov	21.82.12	16 435 feiring 0
PORTUGAL	Lisbon	Sd. Com. Rualdo Rua S. Jose 15		Rualdo Lisbonne
SOUTH AFRICA	Dunswart	Allied Electric Pty. Post Office Box 90	52.43.41	Solidstate Dunswart
	Alberton (Transvaal)	Comtek Post Office Box 57	869.57.86	J-4376 34
SPAIN	San Juan Despi (Barcelona)	Componentes Electronicos S.A. Poligono Industrial, Fontsanta Calle, H. S/N	319.46.50	52.077
SWEDEN	17 103 Solna 3	Elektrholm AB Dalvagen 12 S Post Office Box 305	82.02.80	19.389
SWITZERLAND	CH 3000 Berne 9	Modulator S. A. Fischerweg 11. 13	23.77.85	32.431
THE NETHERLANDS.	La Haye	C.G.E. Compagnie Generale d'Electricita N.V. Koninginnegracht 64	60.88.10	31.045
U. S. A.	California	Nucleonic Products Company, Inc. 6660 Variel Avenue Canoga Park	(213)887-1010	651.479

TSC – TELEDYNE SEMICONDUCTOR

			Zip Code	Telephone No.	TWX
1300 Terra Bella Avenue, Mountain View, California			94043	415-965-1455	910-379-6494 Telex 34-8416
INTERNATIONAL					
BELGIUM	Brussels	Teledyne Semiconductor Chaussee de la Hulpe 181		(32)(2)739988	25881
ENGLAND	Berkshire	Teledyne Limited 23 Francis Road Windsor		(44)(7535)66985	847394
JAPAN	Tokyo	Teledyne Semiconductor Nihonseimei-Akasada Bldg. (3F) 1-19, Akasada 8-chome Minato-ku	107	03 405 5738	2424241 TPJ J
WEST GERMANY	Tiengen	Teledyne Semiconductor Badstrasse 21	7897	(49)(7741)2673	7921410

16. MANUFACTURERS CODES, NAMES & ADDRESSES

MANUFACTURERS' CODES, NAMES, AND ADDRESSES

QPL MFR. DESIG.	FSCM No.	D.A.T.A. MFRS.' CODE	
		ACO	– Acopian Corporation, P.O. Box 585, Easton, Pennsylvania 18042
		ADD	– Advanced Micro Devices, Inc., 901 Thompson Place, Sunnyvale, Calif. 94086
		ALGG	– **AEG-Telefunken, D-71 Heilbronn, Postfach 1042, West Germany**
	24355 –	ANA	– Analog Devices, Inc., Route 1, Industrial Park, P.O. Box 280, Norwood, Mass. 02062
	73445 –	**APX**	– **Amperex Electronic Corp., Providence Pike, Slatersville, Rhode Island 02876** (also under PHIN, Sec. 15)
		ARL	– Achrodyne Corporation, 113 Thomas Road, Grafton, Virginia 23490
	33163–	BAH	– Bell & Howell, Control Products Div., 706 Bostwick Ave., Bridgeport, Connecticut 06605
	80740 –	BEC	– Beckman Instruments, Inc., Helipot Div., 2500 Harbor Blvd., Fullerton, Calif. 92634
		BTRG	– Bentron Elektronik GmbH, 8 Munchen 19, Schulstrasse 21, Germany
	13919 –	BUB	– Burr-Brown Research Corp., International Airport, Industrial Park, Tucson, Arizona 85706
		CDI	– Computer Dynamics, 245 East Elm Street, Torrington, Connecticut 06790
		CMI	– CTS Microelectronics, Inc., 1201 Cumberland Ave., West Lafayette, Indiana 47906
	34031 –	CML	– Computer Labs, 1109 South Chapman Street, Greensboro, North Carolina 27403
CCUR –	16352 –	CODI	– CODI Semiconductor, Div. of Computer Diode Corp., Pollitt Drive, Fairlawn, New Jersey 07410
		CPR	– Computer Products, Post Office Box 23849, Fort Lauderdale, Florida 33307
		CSR	– CSR Industries, Inc., Semicon. Div., 59 Central Ave., E. Farmingdale, New York 11735
	19647 –	DAD	– DDC, 100 Tec Street, Hicksville, New York 11801
		DIC	– **Dickson Electronics Corporation, P.O. Box 1390, Scottsdale, Arizona 85252**
		DMC	– Dynamic Measurements Corp., 6 Lowell Ave., Winchester, Massachusetts 01890
	97525 –	EEC	– Electronic Eng. Co. of Calif., Components Div., Module Dept., 1441 E. Chestnut Ave., Santa Ana, Calif. 92702
		EELC	– Epitek Electronics Ltd., 19 Grenfell Crescent, Ottawa 12, Ontario, Canada
	25289 –	EGG	– EG & G, Inc., Electro-Optics Div., 35 Congress Street, Salem, Mass. 01970
	06111 –	FCP	– Fairchild Microwave & Opto Electronics Div., 3500 Deer Creek Rd., Palo Alto, Calif. 94304
	K1196–	**FERB**	– **Ferranti Ltd., Electronics Dept., Gem Hill, Chadderton, Oldham, Lancaster, England**
	07263 –	**FSC**	– **Fairchild Semiconductor, 464 Ellis Street, Mountain View, California 94040**
	14936 –	GIC	– General Instrument Corporation, P.O. Box 600, Hicksville, New York 11802
	07051 –	GPS	– GPS Corporation, 14 Burr Street, Framingham, Massachusetts 01701
		HAL	– Halex, Inc., 3500 West Torrance Blvd., P.O. Box 2940, Torrance, Calif. 90509
	91417 –	**HAS**	– **Harris Semiconductor, P.O. Box 883, Melbourne, Florida 32901**
		HBC	– Hybrid Systems Corp., 87 Second Ave., Burlington, Mass. 01803
		HPA	– Hewlett-Packard Co., Micro Electronic Group, Microwave Div., 1501 Page Mill Rd., Palo Alto, Calif. 94304
		INL	– **Intersil, Inc., 10900 No. Tantau Ave., Cupertino, Calif. 95014**
		INT	– Intronics, Inc., 57 Chapel Street, Newton, Massachusetts 02158
		INTG	– Intermetall, Halbleiterwerk der Deutsche ITT Industries GmbH, 78 Freiburg im Breisgau, Hans-Bunte-Strasse 19, Germany
		ITH	– Ithaco, Inc., 735 West Clinton Street, Ithaca, New York 14850
	33967 –	ITI	– Intech, Inc., 1220 Coleman Avenue, Santa Clara, Calif. 95050
	14433 –	**ITT**	– **ITT Semiconductors, 3301 Electronics Way, West Palm Beach Florida 33047**
		LED	– Ledex, Inc., 123 Webster Street, Dayton, Ohio 45402
	51083 –	LSI	– Lithic Systems, Inc., 10010 Imperial Ave., P.O. Box 869, Cupertino, Calif. 95014
		MATJ	– **Matsushita Electronics Corp., Takatsuki, Osaka, Japan**
	13656 –	MEL	– Melcor Electronics Corp., 1750 New Highway, Farmingdale, New York 11735

Manufacturers shown in bold print have local offices, which are included in Section 15 of this D.A.T.A.BOOK.

16. MANUFACTURERS CODES, NAMES & ADDRESSES

MANUFACTURERS' CODES, NAMES, AND ADDRESSES (CONTINUED)

QPL MFR. DESIG.	FSCM No.	D.A.T.A. MFRS.' CODE	
		MIA	– MIL Electronics, Inc., 176 Walker Street, Lowell, Mass. 01854
		MIS	– **Mini-Systems, Inc., 20 David Road, North Attleboro, Mass. 02761**
	90144 –	MITJ	– Mitsubishi Electric Corp., 4-1, Mizuhara, Itam-Shi, Hyogo-Ken, Post Code 664, Japan
	50507 –	MNC	– Micro Network Corp., 5 Barbara Lane, Worcester, Mass. 01604
	04713 –	MOTA	– Motorola Semiconductor Products, Inc., 5005 E. McDowell Rd., Phoenix, Arizona 85008
		MPI	– **Micropac Industries, Inc., 905 E. Walnut Street, Garland, Texas 75040**
	K1596–	**MULB**	– **Mullard Limited, Mullard House, Torrington Place, London WC1E 7HD, England** (under PHIN, Sec. 15)
		NEC	– Nuclear Equipment Corp., 931 Terminal Way, San Carlos, Calif. 94070
		NECJ	– Nippon Electric Co., Ltd., 1753 Shimonumabe, Kawasaki City, Japan
	08257 –	NPC	– Nucleonic Products, Inc., 6660 Variel Ave., P.O. Box 1454, Canoga Park, Calif. 91303
		NPP	– National Power Products, Inc., P.O. Box 292, Haverhill, Mass. 01830
	12040 –	NSC	– National Semiconductor, Microcircuits Div., 2900 Semiconductor Dr., Santa Clara, Calif. 95051
	26287 –	OEI	– Optical Electronics, Inc., P.O. Box 11140, Tucson, Arizona 85706
	24699 –	**OPA**	– **Opamp Labs, Inc., 172 South Alta Vista Blvd., Los Angeles, Calif. 90036**
		OPT	– Optimax, Inc., P.O. Box 105, Advance Lane, Colmar, Pennsylvania 18915
	08967 –	**PHIN**	– **N. V. Philips Gloeilampenfabrieken, C. A. Elcoma-8F, Eindhoven, Netherlands**
	88217 –	PLSB	– Plessey Semiconductors, Cheney Manor, Swindon, Wiltshire, England
	06665 –	PMI	– Precision Monolithics, Inc., 1500 Space Park Drive, Santa Clara, Calif. 95050
		QUM	– Q. D. C. Corporation, RD No. 3, Somerville, New Jersey 08876
CRC –	79089 –	RCA	– RCA Corporation, Solid State Div., Route 202, Somerville, New Jersey 08876
	12556 –	**RTCF**	– **R.T.C. La Radiotechnique-Compelec, 130, Ave. Ledru-Rollin, 75540 Paris Cedex 11, France** (under PHIN, Sec.
	07933 –	RTN	– Raytheon Company, 350 Ellis Street, Mountain View, California 94040
		SAKJ	– Sanken Electric Co., Ltd., 1-22-8 Nishi, Ikebukuro, Toshima-ku, Tokyo, Japan
		SCD	– Semiconductor Circuits, Inc., 306 River Street, Haverhill, Mass. 01830
		SGAI	– **SGS-ATES Componenti Elettronici S.p.A., Via C. Olivetti 1, Agrate Brianza, Italy**
	34333 –	SGL	– Silicon General Inc., 7382 Bolsa Avenue, Westminister, California 92683
	18324 –	**SIC**	– **Signetics Corporation, 811 E. Arques Avenue, Sunnyvale, Calif. 94086**
	92346 –	SIEG	– Siemens Aktiengesellschaft, Semicon. Div., Balanstrasse 73, 8000 Munich 8, Germany
CDBN –	17856 –	SIX	– Siliconix, Inc., 2201 Laurelwood Rd., Santa Clara, California 95054
CDCD –	17850 –	**SOD**	– **Solitron Devices, Inc., 256 Oak Tree Rd., Tappan, New York 10983**
CSF –	56289 –	**SPR**	– **Sprague Electric Company, North Adams, Massachusetts 01247**
	11911 –	SSE	– Solid State Electronics Corp., 15321 Rayen St., Sepulveda, Calif. 91343
		TADI	– **Tadiran, Israel Electronics Ind., Ltd., 3 Hashalom Rd., POB 648, Tel Aviv, Israel**
CCAB –	03877 –	TEC	– Transitron Electronic Corp., 168-182 Albion Street, Wakefield, Mass. 01881
		THCF	– **Thomson-CSF, Div. Semiconductors SESCOSEM, 101 Blvd. Murat, 75781 Paris Cedex 16, France**
	01295 –	TII	– Texas Instruments, Inc., Components Group, P.O. Box 5012, Dallas, Texas 75222
	K0461–	TIIB	– Texas Instruments, Ltd., Manton Lane, Bedford, England
	29832 –	TPN	– Teledyne Philbrick, Allied Drive at Route 128, Dedham, Mass. 02026
		TRA	– Tecnetics, Inc., P.O. Box 910, Boulder Industrial Park, Boulder, Colorado 80302
		TSC	– **Teledyne Semiconductor, 1300 Terra Bella Ave., Mountain View, California 94043**
		TSI	– Torque Systems, Inc., P.O. Box 167, 225 Crescent St., Waltham, Mass. 02154
		VALG	– **Valvo GmbH, P.O. Box 993, D2000, Hamburg 1, Germany** (under PHIN, Sec. 15)
	17850 –	ZEL	– Zeltex, Inc., 1000 Chalomar Rd., Concord, Calif. 94520

Manufacturers shown in bold print have local offices, which are included in Section 15 of this D.A.T.A.BOOK.

SYMBOLS & CODES EXPLAINED

IN TYPE No. CROSS INDEX AND TECHNICAL SECTIONS

FOLLOWING TYPE No.

☑ △ % } Indicators of separate manufacturers producing same type number (non-JEDEC) whose characteristics are not the same. This manufacturer-identifying symbol (assigned by D.A.T.A.) is an integral part of the type number (in Type No. Cross Index, Technical Data Sections) to avoid the possibility of confusing the devices of one manufacturer with the devices of others.

1, # 2, ... Device has two or more modes of operation – listed on separate lines in the same technical section.

– RT ... Suffix indicates device is a replacement type; consult manufacturer

Note: Chip packages are recognizable by the prefix 'FC' in the drawing number

SYMBOLS & CODES COMMON TO MORE THAN ONE TECHNICAL SECTION

LINE No.

- ▼ – NEW TYPE
- ♦ – REVISED SPECIFICATION
- # – NON-JEDEC TYPE MANUFACTURED OUTSIDE U.S.A.

TYPE No.

- ▼ – CUSTOM CIRCUIT
- § – DEVICE HAS TWO OR MORE MODES OF OPERATION–LISTED IN SEPARATE TECHNICAL SECTIONS
- * – DEVICE CONTAINS TWO OR MORE IDENTICAL OR MATCHED CIRCUITS
- ∅ – DUAL COMPARATORS (SECT. 9 ONLY)
- † – PROGRAMMABLE OP-AMP. CHARACTERISTICS GIVEN FOR HIGHEST SPECIFIED BIAS CURRENT (SECT. 3 ONLY)
- $ – CHOPPER STABILIZED (SECT. 3 ONLY)

OPERATING TEMP. RANGE CODE

0– 0 up to 10°C	A–100 up to 110°C
1– 10 up to 20°C	B–110 up to 120°C
2– 20 up to 30°C	C–120 up to 130°C
3– 30 up to 40°C	D–130 up to 140°C
4– 40 up to 50°C	E–140 up to 150°C
5– 50 up to 60°C	F–150 up to 160°C
6– 60 up to 70°C	G–160 up to 170°C
7– 70 up to 80°C	H–170 up to 180°C
8– 80 up to 90°C	J–180 up to 190°C
9– 90 up to 100°C	K–190 up to 200°C
	M–200°C and ABOVE

$ BOTH VALUES OF TEMP. ARE POS. MAX. VALUE ONLY IS INDICATED.

EXAMPLES OF OPERATING TEMP. RANGE CODE:

5 C

MIN VALUE LIES BETWEEN	MAX VALUE LIES BETWEEN
–50° AND –60°C	+120°C AND +130°C

OR

$ 8

BOTH VALUES OF TEMP. ARE POS. MAX VALUE ONLY AS INDICATED.	MAX. VALUE LIES BETWEEN
	+80°C AND +90°C

OUTLINE DRAWINGS

- CB– PRINTED CIRCUIT COARD
- CN– CAN TYPE– NON-JEDEC OUTLINE
- FC– FLAT PACK CHIP NON-JEDEC OUTLINE
- FP– FLAT PACK– NON-JEDEC OUTLINE
- M– MOUNTED ON A HEAT SINK
- MP– MOLDED OR ENCAPSULATED PACKAGE NOT INCLUDED IN OTHER CATEGORIES
- TO– OUTLINE IN ACCORDANCE WITH JEDEC REGISTRATION
- OCT– OCTAL PLUG-IN (NO DWG. SHOWN)
- △ – MO OUTLINE IN ACCORDANCE WITH JEDEC REGISTRATION
- ☑ – PACKAGE ONLY SHOWN

3. OPERATIONAL AMPLIFIERS & 4. DIFFERENTIAL AMPLIFIERS

PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE				MIN.-@25°C		MIN. OUTPUT CHAR.@25°C		MIN TRANSFER CHAR @ 25°C			
1 TOT. VOLT. (△V)	2 MAX IDLE P (W)	MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	CM RANGE (△V)	DIFF IMP. (Ω)	P-P VOLT. (△V)	P-P CUR. (△A)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)

♦–ONE OR MORE OF THE CHARACTERISTICS ARE NOT AT RATED SUPPLY VOLTAGE
§–VALUE IS NOT SYMMETRICAL ABOUT ZERO

†–TYPICAL
*–MINIMUM

†–TYPICAL
§–25°C
☑–OVER LIMITED TEMPERATURE RANGE

†–TYPICAL
§–25°C
△–ADJUSTABLE TO ZERO
☑–OVER LIMITED TEMPERATURE RANGE

†–TYPICAL
§–25°C
☑–OVER LIMITED TEMPERATURE RANGE

†–TYPICAL
–MAX. SAFE OPERATING RANGE
§–VALUE IS NOT SYMMETRICAL ABOUT ZERO
SE–SINGLE-ENDED INPUT

†–TYPICAL

†–TYPICAL

†–TYPICAL
∅–UNITY GAIN BW
§–GAIN BW PRODUCT

†–TYPICAL

†–TYPICAL
∅–FULL POWER BW IN kHZ
☑–FULL POWER BW IN MHZ

∅–SINGLE-ENDED INPUT IMPEDANCE
†–TYPICAL
$–COMMON MODE

†–TYPICAL
∅–LOAD IMPEDANCE IN OHMS CORRESPONDING TO OUTPUT VOLTAGE SWING
♦–NO LOAD

5. AUDIO AMPLIFIERS

PWR SUP@25°C RATED SPECS		TRANSFER CHARACTERISTICS @25°C 3dB BANDWDTH						INPUT @25°C		OUTPUT CHAR. @25°C			
1 TOT. VOLT (△V)	2 MAX IDLE P (W)	3 MIN. UPPER (Hz)	MAX. LOWER (Hz)	4 MIN. VOLT. GAIN (dB)	MAX. NOISE FIGURE (dB)	MAX. THD (%)	△TEMP GAIN VAR. (dB)	MIN. RESIST (Ω)	MAX. VOLTS P-P (△V)	MAX. RESIST (Ω)	MIN. VOLT. P-P (△V)	MIN. POWER (W)	@ LOAD RES. (Ω)

♦–ONE OR MORE OF THE CHARACTERISTICS ARE NOT AT RATED SUPPLY VOLTAGE
§–VALUE IS NOT SYMMETRICAL ABOUT ZERO

†–TYPICAL
*–MINIMUM

†–TYPICAL

†–TYPICAL
♦–MEASURED AT LESS THAN RATED OUTPUT POWER

*–MINIMUM RANGE FOR LINEAR OUTPUT

†–TYPICAL

†–TYPICAL
%–OUTPUT CURRENT SWING (△mA)
♦–MEASURED AT HIGHER THAN RATED THD

$ – USEFUL FREQUENCY RANGE
§ – BANDWIDTH < 3db
∅ – FULL POWER BANDWIDTH
% – UNITY GAIN BANDWIDTH
– TYPICAL

†–TYPICAL
△–POWER GAIN
%–CURRENT GAIN
$–DIFFERENTIAL VOLTAGE GAIN
*–OTHER VALUES OF GAIN AVAILABLE BY EXTERNAL CONNECTION

†–TYPICAL
§–MAX. SIGNAL TO NOISE RATIO
*–MAX. EQUIVALENT INPUT NOISE (uV rms)
△–MAX. EQUIVALENT OUTPUT NOISE (mV rms)
∅–EQUIVALENT INPUT NOISE (dBm)

†–TYPICAL

†–TYPICAL
△–DIFFERENTIAL INPUT

†–TYPICAL
△–DIFFERENTIAL OUTPUT

SYMBOLS & CODES EXPLAINED

SYMBOLS & CODES COMMON TO MORE THAN ONE TECHNICAL SECTION

LINE No.

- ▼ – NEW TYPE
- ♦ – REVISED SPECIFICATION
- # – NON-JEDEC TYPE MANUFACTURED OUTSIDE U.S.A.

TYPE No.

- ▼ – CUSTOM CIRCUIT
- § – DEVICE HAS TWO OR MORE MODES OF OPERATION–LISTED IN SEPARATE TECHNICAL SECTIONS
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- ∅ – DUAL COMPARATORS (SECT. 9 ONLY)
- † – PROGRAMMABLE OP-AMP. CHARACTERISTICS GIVEN FOR HIGHEST SPECIFIED BIAS CURRENT (SECT. 3 ONLY)
- $ – CHOPPER STABILIZED (SECT. 3 ONLY)

OPERATING TEMP: RANGE CODE

0– 0 up to 10°C	
1– 10 up to 20°C	
2– 20 up to 30°C	
3– 30 up to 40°C	
4– 40 up to 50°C	
5– 50 up to 60°C	
6– 60 up to 70°C	
7– 70 up to 80°C	
8– 80 up to 90°C	
9– 90 up to 100°C	
A–100 up to 110°C	
B–110 up to 120°C	
C–120 up to 130°C	
D–130 up to 140°C	
E–140 up to 150°C	
F–150 up to 160°C	
G–160 up to 170°C	
H–170 up to 180°C	
J–180 up to 190°C	
K–190 up to 200°C	
M–200°C and ABOVE	

$ BOTH VALUES OF TEMP. ARE POS. MAX. VALUE ONLY IS INDICATED. EXAMPLES OF OPERATING TEMP. RANGE CODE:

$5\ C$

MIN VALUE LIES BETWEEN	MAX VALUE LIES BETWEEN
–50° AND –60°C	+120°C AND +130°C

OR

$\$\ 8$

BOTH VALUES OF TEMP. ARE POS. MAX VALUE ONLY AS INDICATED.	MAX. VALUE LIES BETWEEN
	+80°C AND +90°C

OUTLINE DRAWINGS

- CB– PRINTED CIRCUIT COARD
- CN– CAN TYPE– NON-JEDEC OUTLINE
- FC– FLAT PACK CHIP NON-JEDEC OUTLINE
- FP– FLAT PACK– NON-JEDEC OUTLINE
- M– MOUNTED ON A HEAT SINK
- MP – MOLDED OR ENCAPSULATED PACKAGE NOT INCLUDED IN OTHER CATEGORIES
- TO– OUTLINE IN ACCORDANCE WITH JEDEC REGISTRATION
- OCT– OCTAL PLUG-IN (NO DWG. SHOWN)
- △ – MO OUTLINE IN ACCORDANCE WITH JEDEC REGISTRATION
- ∅ – PACKAGE ONLY SHOWN

6. RF/IF AMPLIFIERS

PWR SUP@25°C RATED SPECS			MIN TRANSFER CHARACTERISTICS @25°C						INPUT CHAR @25°C			OUTPUT CHAR. @25°C		
1 TOT. VOLT (ΔV)	2 MAX IDLE P (W)		3 PWR GAIN @ 50Ω LOAD & SOURCE (dB)	SPEC FREQ (Hz)	4 UN-TUNED 3dB BW (Hz)	Y21 (mhos)	Y12 (mhos)	MAX. NF (dB)	MIN. VOLT. P-P (ΔV)	MAX. COND. (mhos)	MAX. CAP. (F)	MIN. VOLT. P-P (ΔV)	MIN. COND. (mhos)	MAX. CAP. (F)

- ▼–ONE OR MORE SPECS. ARE NOT AT RATED SUPPLY VOLTAGE
- §–VALUE IS NOT SYMMETRICAL ABOUT ZERO
- †–TYPICAL
- *–MINIMUM
- △–MAX AVAILABLE POWER GAIN
- *–VOLTAGE GAIN
- %–CURRENT GAIN
- §–AGC AVAILABLE
- †–TYPICAL
- ♦–LOAD OTHER THAN 50 OHM
- ∅ – AGC THRESHOLD VS FREQ - uVrms
- †–TYPICAL ♦–USABLE FREQUENCY RANGE
- †–TYPICAL *–VOLTAGE GAIN IN dB
- †–TYPICAL %–REVERSE TRANSFER CAPICITANCE IN pF
- ∅–REVERSE CURRENT TRANSFER RATIO (G12)
- †–TYPICAL
- †–TYPICAL △–DIFFERENTIAL INPUT
- †–TYPICAL △–ABSOLUTE SAFE MAX.
- †–TYPICAL
- †–TYPICAL △–DIFFERENTIAL OUTPUT
- †–TYPICAL

7. WIDEBAND AMPLIFIERS

PWR SUP@25°C RATED SPECS		TRANSFER CHARACTERISTICS @25°C					INPUT CHAR. @25°C		OUTPUT CHAR. @25°C			TRANSIENT CHAR. @25°C	
		3dB BW		4 MIN.	MAX.	MAX.			MAX.	MIN	LOAD	MAX TIME	
1 TOT. VOLT (ΔV)	2 MAX IDLE P (W)	3 MIN. UPPER (Hz)	MAX. LOWER (Hz)	VOLTAGE GAIN (dB)	NOISE FIGURE (dB)	THD (%)	MIN RESIST (Ω)	MAX P-P VOLTS (ΔV)	RESIST (Ω)	VOLT P-P (ΔV)	RESIST (Ω)	RISE (s)	DELAY (s)

- ♦–ONE OR MORE OF THE CHARACTERISTICS ARE NOT AT RATED SUPPLY VOLTAGE
- §–VALUE IS NOT SYMMETRICAL ABOUT ZERO
- †–TYPICAL *–MINIMUM
- †-TYPICAL ∅-FULL POWER BANDWIDTH
- §-FREQUENCY FOR MIN. GAIN
- †–TYPICAL
- †–TYPICAL △–POWER GAIN %–CURRENT GAIN $–DIFFERENTIAL VOLTAGE GAIN *–OTHER VALUES OF GAIN AVAILABLE BY EXTERNAL CONNECTION
- §-AGC AVAILABLE
- †–TYPICAL △–INTERMODULATION DISTORTION IN dB
- †–TYPICAL §–MAX. SIGNAL TO NOISE RATIO *–MAX. EQUIVALENT INPUT NOISE (uV rms) △–MAX. EQUIVALENT OUTPUT NOISE (mV rms)
- †–TYPICAL △–DIFFERENTIAL INPUT
- †–TYPICAL *–MINIMUM RANGE FOR LINEAR OUTPUT
- †–TYPICAL △–DIFFERENTIAL OUTPUT AVAILABLE
- †–TYPICAL △–OUTPUT POWER (mW)
- ♦ - NO LOAD
- †–TYPICAL

SYMBOLS & CODES EXPLAINED

SYMBOLS & CODES COMMON TO MORE THAN ONE TECHNICAL SECTION

LINE No.

▼ – NEW TYPE
♦ – REVISED SPECIFICATION
– NON-JEDEC TYPE MANUFACTURED OUTSIDE U.S.A.

TYPE No.

▼ – CUSTOM CIRCUIT
§ – DEVICE HAS TWO OR MORE MODES OF OPERATION–LISTED IN SEPARATE TECHNICAL SECTIONS
* – DEVICE CONTAINS TWO OR MORE IDENTICAL OR MATCHED CIRCUITS
∅ – DUAL COMPARATORS (SECT. 9 ONLY)
† – PROGRAMMABLE OP-AMP. CHARACTERISTICS GIVEN FOR HIGHEST SPECIFIED BIAS CURRENT (SECT. 3 ONLY)
$ – CHOPPER STABILIZED (SECT. 3 ONLY)

OPERATING TEMP: RANGE CODE

0– 0 up to 10°C
1– 10 up to 20°C
2– 20 up to 30°C
3– 30 up to 40°C
4– 40 up to 50°C
5– 50 up to 60°C
6– 60 up to 70°C
7– 70 up to 80°C
8– 80 up to 90°C
9– 90 up to 100°C
A–100 up to 110°C
B–110 up to 120°C
C–120 up to 130°C
D–130 up to 140°C
E–140 up to 150°C
F–150 up to 160°C
G–160 up to 170°C
H–170 up to 180°C
J–180 up to 190°C
K–190 up to 200°C
M–200°C and ABOVE

$ BOTH VALUES OF TEMP. ARE POS. MAX. VALUE ONLY IS INDICATED.
EXAMPLES OF OPERATING TEMP. RANGE CODE:

5 C
MIN VALUE LIES BETWEEN –50° AND –60°C
MAX VALUE LIES BETWEEN +120°C AND +130°C

OR

$ 8
BOTH VALUES OF TEMP. ARE POS. MAX VALUE ONLY AS INDICATED.
MAX. VALUE LIES BETWEEN +80°C AND +90°C

OUTLINE DRAWINGS

CB– PRINTED CIRCUIT COARD
CN– CAN TYPE– NON-JEDEC OUTLINE
FC– FLAT PACK CHIP NON-JEDEC OUTLINE
FP– FLAT PACK– NON-JEDEC OUTLINE
M– MOUNTED ON A HEAT SINK
MP – MOLDED OR ENCAPSULATED PACKAGE NOT INCLUDED IN OTHER CATEGORIES
TO– OUTLINE IN ACCORDANCE WITH JEDEC REGISTRATION
OCT– OCTAL PLUG-IN (NO DWG. SHOWN)
△ – MO OUTLINE IN ACCORDANCE WITH JEDEC REGISTRATION
⍁ – PACKAGE ONLY SHOWN

8. VOLTAGE REGULATORS

1 NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	HIGH (V)	2 MAX INPUT LINE VOLT V	MIN OUT/ IN DIFF. (△V)	3 MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (△V)	OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (△A)	OUT VOLT. CHG. (%)	MAX TRANSIENT RECOVERY MIN RIPPL REJ. (dB)	@LINE CHG. (s)	@LOAD CHG. (s)

§–POSITIVE AND NEGATIVE OUTPUT OF THIS MAGNITUDE
♦–NEGATIVE OUTPUT VOLTAGE

* – OTHER FIXED NONADJUSTABLE OUTPUT VOLTAGE
% – ACCURACY IN % TOLERANCE OF VALUE INDICATED IN NOM. VOLT. OUT COLUMN

*–MINIMUM INPUT VOLTAGE (V)

§–OVER ENTIRE OPERATING RANGE

†–TYPICAL

†–TYPICAL
%–PERCENT CHANGE OVER ENTIRE RANGE
§–OVER ENTIRE OPERATING RANGE
△–%/°C

§ –VOLTAGE CHANGE IN VOLTS
†–TYPICAL
△–CHANGE IN %/VOLT
♦– % CHANGE FOR MAXIMUM LINE REGULATION

△– VOLTAGE CHANGE IN VOLTS

† – TYPICAL

† – TYPICAL
* – CHANGE IN %/VOLT.

9. VOLTAGE COMPARATORS

PWR SUP@25°C RATED SPECS 1 TOT. VOLT (△V)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX. VOLTAGE 3 DRFT (V/°C)	4 OFSET (V)	MAX CURRENT OFFSET (A)	BIAS (A)	@25°C MIN CM RANGE (△V)	STROBE CUR-MAX (A)	OUTPUT CHAR. @ 25°C MIN. OUTPUT VOLTAGE POS (V)	NEG (V)	MAX. OUT RES. (Ω)	MIN. CURR SINK (A)	W/C TRANSFER CHAR. @25°C VOLT. GAIN (dB)	RESP. TIME (s)

♦–ONE OR MORE OF THE CHARACTERISTICS ARE NOT AT RATED SUPPLY VOLTAGE
§–VALUE IS NOT SYMMETRICAL ABOUT ZERO

†–TYPICAL
*–MINIMUM

†–TYPICAL
§–25°C
⍁–OVER LIMITED TEMPERATURE RANGE

†–TYPICAL
§–25°C
△–ADJUSTABLE TO ZERO
⍁–OVER LIMITED TEMPERATURE RANGE

† – TYPICAL
§ –25°C
⍁–OVER LIMITED TEMPERATURE RANGE

† – TYPICAL
† –TYPICAL
∅–NEGATIVE

†–TYPICAL
△–MAX. SAFE OPERATING RANGE
§–VALUE IS NOT SYMMETRICAL ABOUT ZERO
SE–SINGLE ENDED INPUT

† – TYPICAL

†–TYPICAL
§–POSITIVE
△– MAX.

† – TYPICAL

†–TYPICAL
△– ABSOLUTE SAFE MAX.

†–TYPICAL
§ –NOT AT 100 mV INPUT WITH 5mV OVERDRIVE
*–TURN ON TIME
∅–RISE TIME

NOTE: W/C (WORST CASE) CONDITIONS SPECIFIED: MIN. VOLTAGE GAIN MAX. RESPONSE TIME

SYMBOLS & CODES EXPLAINED

SYMBOLS & CODES COMMON TO MORE THAN ONE TECHNICAL SECTION

LINE No.

▼ – NEW TYPE
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– NON-JEDEC TYPE MANUFACTURED OUTSIDE U.S.A.

TYPE No.

▼ – CUSTOM CIRCUIT
§ – DEVICE HAS TWO OR MORE MODES OF OPERATION–LISTED IN SEPARATE TECHNICAL SECTIONS
* – DEVICE CONTAINS TWO OR MORE IDENTICAL OR MATCHED CIRCUITS
∅ – DUAL COMPARATORS (SECT. 9 ONLY)
† – PROGRAMMABLE OP-AMP. CHARACTERISTICS GIVEN FOR HIGHEST SPECIFIED BIAS CURRENT (SECT. 3 ONLY)
$ – CHOPPER STABILIZED (SECT. 3 ONLY)

OPERATING TEMP. RANGE CODE

0– 0 up to 10°C
1– 10 up to 20°C
2– 20 up to 30°C
3– 30 up to 40°C
4– 40 up to 50°C
5– 50 up to 60°C
6– 60 up to 70°C
7– 70 up to 80°C
8– 80 up to 90°C
9– 90 up to 100°C
A–100 up to 110°C
B–110 up to 120°C
C–120 up to 130°C
D–130 up to 140°C
E–140 up to 150°C
F–150 up to 160°C
G–160 up to 170°C
H–170 up to 180°C
J–180 up to 190°C
K–190 up to 200°C
M–200°C and ABOVE

$ BOTH VALUES OF TEMP. ARE POS. MAX. VALUE ONLY IS INDICATED.
EXAMPLES OF OPERATING TEMP. RANGE CODE:

5 C

MIN VALUE LIES BETWEEN	MAX VALUE LIES BETWEEN
–50° AND –60°C	+120°C AND +130°C

OR

$ 8

BOTH VALUES OF TEMP. ARE POS. MAX VALUE ONLY AS INDICATED.	MAX. VALUE LIES BETWEEN +80°C AND +90°C

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△ – MO OUTLINE IN ACCORDANCE WITH JEDEC REGISTRATION
⍁ – PACKAGE ONLY SHOWN

MISCELLANEOUS

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10. VOLTAGE CONTROLLED CRYSTAL OSCILLATORS
11. VOLT. TO FREQ. CONVERTER

12 thru 49 Reserved for future use.

10.

1 USE	PWR SUP @25°C RATED SPECS		MIN. INPUT CHAR. @25°C		OUTPUT CHAR. @25°C	
	2 TOT. VOLT. (ΔV)	3 MAX. IDLE P (W)	IMPED-ANCE (Ω)	VOLT RANGE (ΔV)	MAX. IMP. (Ω)	MIN VOLT RANGE (ΔV)

†–TYPICAL
§–VALUE IS NOT SYMMMETRICAL ABOUT ZERO
– – INDICATES ALL NEGATIVE RANGE

†–TYPICAL
§–UNDER LOAD CONDITIONS

†–TYPICAL
*–MIN. IN CURRENT RANGE IN △mA

†–TYPICAL
*–MAX. OFFSET VOLTAGE (mV)
§–VALUE NOT SYMMETRICAL ABOUT ZERO
△–ABSOLUTE SAFE MAX
– – INDICATES ALL NEGATIVE RANGE

†–TYPICAL
*–MIN. OUT CURRENT RANGE IN △mA
∅–LOAD IMPEDANCE IN OHMS

♦–ONE OR MORE OF THE CHARACTERISTICS ARE NOT AT RATED SUPPLY VOLTAGE
§–VALUE IS NOT SYMMETRICAL ABOUT ZERO

11.

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△Ii –INPUT CURRENT RANGE
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Adj –ADJUSTABLE
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V ref – REFERENCE VOLTAGE
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SYMBOLS & CODES COMMON TO MORE THAN ONE TECHNICAL SECTION

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- # – NON-JEDEC TYPE MANUFACTURED OUTSIDE U.S.A.

TYPE No.

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- * – DEVICE CONTAINS TWO OR MORE IDENTICAL OR MATCHED CIRCUITS
- ∅ – DUAL COMPARATORS (SECT. 9 ONLY)
- † – PROGRAMMABLE OP-AMP. CHARACTERISTICS GIVEN FOR HIGHEST SPECIFIED BIAS CURRENT (SECT. 3 ONLY)
- $ – CHOPPER STABILIZED (SECT. 3 ONLY)

OPERATING TEMP: RANGE CODE

- 0– 0 up to 10°C
- 1– 10 up to 20°C
- 2– 20 up to 30°C
- 3– 30 up to 40°C
- 4– 40 up to 50°C
- 5– 50 up to 60°C
- 6– 60 up to 70°C
- 7– 70 up to 80°C
- 8– 80 up to 90°C
- 9– 90 up to 100°C
- A–100 up to 110°C
- B–110 up to 120°C
- C–120 up to 130°C
- D–130 up to 140°C
- E–140 up to 150°C
- F–150 up to 160°C
- G–160 up to 170°C
- H–170 up to 180°C
- J–180 up to 190°C
- K–190 up to 200°C
- M–200°C and ABOVE

$ BOTH VALUES OF TEMP. ARE POS. MAX. VALUE ONLY IS INDICATED.

EXAMPLES OF OPERATING TEMP. RANGE CODE:

5 C

MIN VALUE LIES BETWEEN	MAX VALUE LIES BETWEEN
–50° AND –60°C	+120°C AND +130°C

OR

$ 8

BOTH VALUES OF TEMP. ARE POS. MAX VALUE ONLY AS INDICATED.	MAX. VALUE LIES BETWEEN
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OUTLINE DRAWINGS

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8. VOLTAGE REGULATORS

1 NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	ADJUSTABLE OUTPUT VOLT. RANGE HIGH (V)	2 MAX INPUT LINE VOLT V	MIN OUT/IN DIFF. (ΔV)	3 MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUTPUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	MAX TRANSIENT RECOVERY @LOAD CHG. (s)

§–POSITIVE AND NEGATIVE OUTPUT OF THIS MAGNITUDE
♦–NEGATIVE OUTPUT VOLTAGE

* – OTHER FIXED NONADJUSTABLE OUTPUT VOLTAGE
% – ACCURACY IN % TOLERANCE OF VALUE INDICATED IN NOM. VOLT. OUT COLUMN

*–MINIMUM INPUT VOLTAGE (V)

§–OVER ENTIRE OPERATING RANGE

†–TYPICAL

†–TYPICAL
%–PERCENT CHANGE OVER ENTIRE RANGE
§–OVER ENTIRE OPERATING RANGE
△–%/°C

§–VOLTAGE CHANGE IN VOLTS
†–TYPICAL
△–CHANGE IN %/VOLT
♦– % CHANGE FOR MAXIMUM LINE REGULATION

△– VOLTAGE CHANGE IN VOLTS

† – TYPICAL
* – CHANGE IN %/VOLT.

† – TYPICAL

9. VOLTAGE COMPARATORS

PWR SUP@25°C RATED SPECS 1 TOT. VOLT (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE 3 DRFT (V/°C)	4 OFSET (V)	OFFSET (A)	BIAS (A)	@25°C MIN CM RANGE (ΔV)	@25°C STROBE CUR-MAX (A)	OUTPUT CHAR. @ 25°C MIN. OUTPUT VOLTAGE POS (V)	MIN. OUTPUT VOLTAGE NEG (V)	MAX. OUT RES. (Ω)	MIN. CURR SINK (A)	W/C TRANSFER CHAR. @25°C VOLT. GAIN (dB)	W/C TRANSFER CHAR. @25°C RESP. TIME (s)

♦–ONE OR MORE OF THE CHARACTERISTICS ARE NOT AT RATED SUPPLY VOLTAGE
§–VALUE IS NOT SYMMETRICAL ABOUT ZERO

†–TYPICAL
*–MINIMUM

†–TYPICAL
§–25°C
∅–OVER LIMITED TEMPERATURE RANGE

†–TYPICAL
§–25°C
△–ADJUSTABLE TO ZERO
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† – TYPICAL
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† – TYPICAL

† – TYPICAL
∅–NEGATIVE

†–TYPICAL
△–MAX. SAFE OPERATING RANGE
§–VALUE IS NOT SYMMETRICAL ABOUT ZERO
SE–SINGLE ENDED INPUT

† – TYPICAL

†–TYPICAL
§–POSITIVE
△ – MAX.

†–TYPICAL
△– ABSOLUTE SAFE MAX.

†–TYPICAL
§ –NOT AT 100 mV INPUT WITH 5mV OVERDRIVE
*–TURN ON TIME
∅–RISE TIME

NOTE: W/C (WORST CASE) CONDITIONS SPECIFIED: MIN. VOLTAGE GAIN MAX. RESPONSE TIME

SYMBOLS & CODES EXPLAINED

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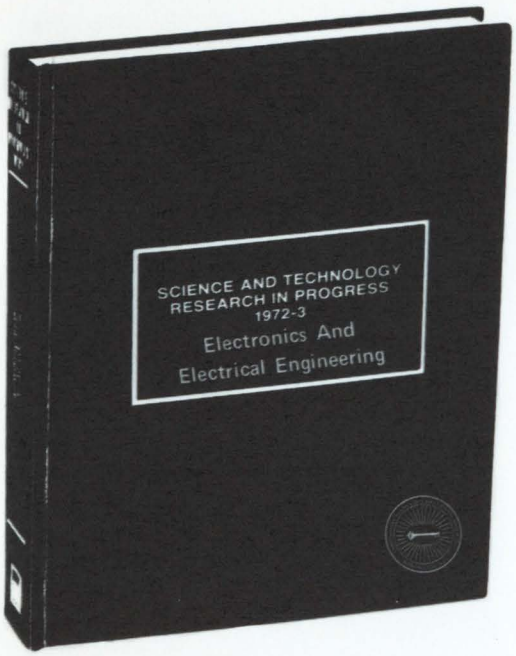

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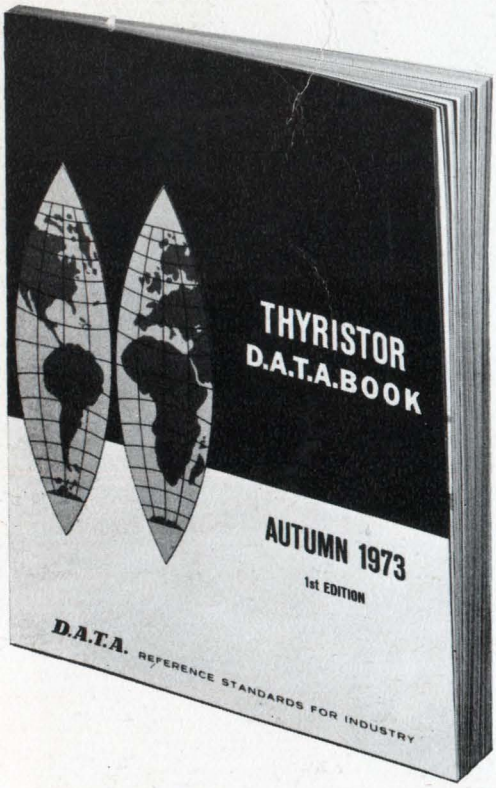

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IN ORDER OF(1)USE CODE(2)MAX.FWD.SW.VOLT.(3)REV.VOLT.(4)MAX.REP.ON-ST.CUR.(5)TYPE No.

3. TRIODES, POWER, REVERSE-BLOCKING:SCRS

LINE No.	TYPE No.	MAX.REP OFF-STATE VOLTAGE VDRM (V)	MAX.STATIC ON-STATE CURRENT IT (A)	@T (°C)	MAXIMUM GATE FIRING CHARACTER. IGT (A)	VGT (V)	MAX. HOLD. CUR. IH (A)	MAX.OFF-ST. CURRENT IR@VRRM OR ID@VDRM	@T (°C)	MAXIMUM ON-STATE VOLTAGE VT (V)	@IT (A)	TYPICAL SWITCHING TIME ON Tgt (s)	@IT (A)	OFF Tq (s)	WORST-CASE CASE dV/dt (V/us)	SURGE CUR-RENT ITSM (A)	OPER TEMP RANGE CODE - +	LEAD CODE	DRAWING No.

IN ORDER OF(1)MAX.REPETIT.OFF-ST.VOLT(2)MAX. STATIC ON-ST.CUR.(3)@T(4)IGT(5)VGT(6)TYPE No.

4. TRIODES, POWER, BI-DIRECTIONAL:TRIACS

LINE No.	TYPE No.	MAX.REP OFF-STATE VOLTAGE VDRM (V)	MAXIMUM RMS CURRENT IT(RMS) (A)	@T (°C)	MAXIMUM GATE CHARACTER. IGT (A)	VGT (V)	MAX HOLD CUR. IH (A)	MAX.OFF-ST. CURRENT IR@VRRM or ID@VDRM	@T (°C)	PEAK ON-STATE VOLTAGE VTM (V)	@IT (A)	TYPICAL SWITCHING TIME Tgt (s)	@IT (A)	WORST-CASE dV/dt COMM. V/us	STATIC V/us	SURGE CUR-RENT ITSM (A)	OPER TEMP RNGE CODE - +	LEAD CODE	DRAWING No.

IN ORDER OF(1)MAX.REPETIT.OFF-STATE VOLTAGE (2)MAX.RMS CUR.(3)@TEMP.(4)IGT(5)VGT(6)TYPE No.

5. TRIODES, POWER, MISCELLANEOUS

LINE No.	TYPE No.	USE CODE	MAX.REP OFF-STATE VOLT. VDRM (V)	MAX.STATIC ON-STATE CURRENT IT (A)	@T (°C)	MAXIMUM GATE FIRING CHARACTER. IGT (A)	VGT (V)	MAX. HOLD CUR. IH (A)	MAX.OFF-ST CURRENT ID@VDRM (A)	@T (°C)	MAXIMUM ON-STATE VOLTAGE VT (V)	@IT (A)	TYP SW TIME Tgt (s)	SURGE CUR-RENT ITSM (A)	GENERAL DESCRIPTION	OPER TEMP RNGE CODE - +	LEAD CODE	DRAWING No.

IN ORDER OF(1)USE CODE(2)MAX.REP.OFF-ST.VOLT (3)MAX.STATIC ON-ST.CUR.(4)@TEMP(5)TYPE No.

6. TRIODES, TRIGGER

LINE No.	TYPE No.	USE CODE	SWITCHING VOLTAGE VS MAX (V)	SWITCHING VOLTAGE VS MIN (V)	MAXIMUM REPETITIVE ON-STATE CURRENT ITRM @ (A)	TEMP (°C)	PULSE WIDTH (s)	REP RATE (Hz)	MAX. HOLD. CUR. IH (A)	MAXIMUM SWITCH CURRENT IS@VS (A)	MAXIMUM ON-STATE VOLTAGE VT (V)	@IT (A)	TYP. SW. TIME TON (s)	SURGE CURRENT ITSM (A)	SURGE CURRENT @PULSE WIDTH (s)	GENERAL DESCRIP-TION	OPER TEMP RNGE CODE - +	LEAD CODE	DRAWING No.

IN ORDER OF(1)USE CODE(2)MAX.REP.OFF-ST.VOLT (3)MAX.STATIC ON-ST.CUR.(4)@TEMP(5)TYPE No.

7. MULTI-GATE DEVICES

LINE No.	TYPE No.	USE CODE	MAX.REP. OFF-STATE VOLT. VDRM (V)	REP. PEAK REV V VRRM (V)	MAX.STATIC ON-STATE CURRENT IT (A)	@T (°C)	MAXIMUM GATE FIRING CHARACTERISTICS P-GATE IGT (A)	P-GATE VGT (V)	N-GATE ICT (A)	N-GATE VCT (V)	MAX. HOLD. CUR. IH (A)	MAX.OFF-ST. CURRENT ID@VDRM (A)	@T (°C)	MAXIMUM ON-STATE VOLTAGE VT (V)	@IT (A)	TYP. SW. TIME Tgt (s)	SURGE CUR-RENT ITSM (A)	OPER TEMP RNGE CODE - +	LEAD CODE	DRAWING No.

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